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AUTOMATIC COUNTERS 1988

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AUTOMATIC COUNTERS

1988

Prepared by the

State of Montana Department of Highways

Planning and Statistics Bureau

In cooperation with

U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

BUREAU OF PUBLIC ROADS

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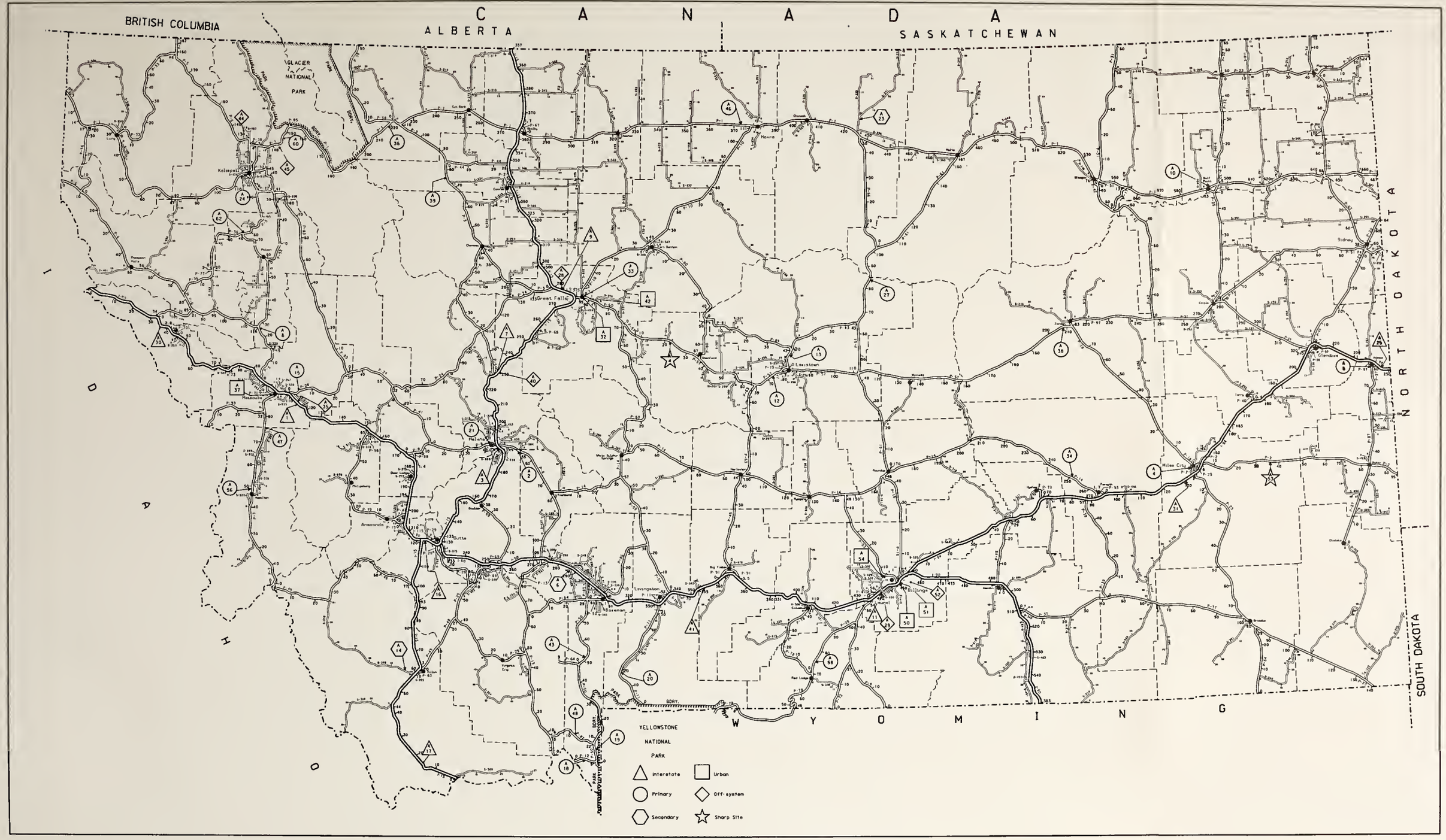
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Yellowstone National Park
I D A H O
W Y O M I N G
NORTH DAKOTA
SOUTH DAKOTA
Interstate
Primary
Secondary
Urban
Off-system
Sharp Site

INTRODUCTION

This report contains a brief, concise summary of traffic patterns at each permanent traffic counter that was in operation during the year 1988. The traffic volumes for each month and day of the week are compared to average daily traffic for the year. A total of 56 automatic traffic counters were in operation during 1988.

At each record the highest, the 10th, the 20th, and the 30th highest hours that occurred during each year shown as a computed percentage figure of the average daily traffic. These are compared to the previous five years and historical data recorded to reflect stability and accuracy.

The 56 counters are distributed to the Highways System as follows:

11 on Interstate Principal Arterial Rural	3 on FAU Minor Arterial Urban
18 on Primary Principal Arterial Rural	4 on FAS Major Collector Rural
3 on Primary Principal Arterial Urban	2 on Off System Collector Urban
9 on Primary Minor Arterial Rural	4 on Off System Major Collector Rural
1 on FAU Principal Arterial Urban	1 on Off System Minor Collector Rural

30TH. MAXIMUM HOUR

The American Association of Highway officials decided it was not practical to design for the average daily traffic or the highest traffic that occurs during the year. If highways are designed for the average daily traffic, there would be times when the movement of vehicles would surge far above the average. If designed for the highest traffic volume, such conditions would occur only once or twice a year. Upon thorough investigation, it was agreed that the 30th. highest hour would be a feasible traffic volume for design purposes. This particular hour is known as the Design Hour Volume, or the 30th maximum hour, and was to be used as the criterion for the design of the "National System of Interstate Highways." It is also now used in the design of Primary and Secondary Highways in Montana.

PRA:si:5cc

AUTOMATIC RECORDER DATA BY MONTHS

Station A-1
Location I-90, 10.0 miles E. of Missoula, M.P. 114.5

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 57.6 % Pickups 17.6 % Commercial 17.1 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3923	3252	3375	3463	3696	4161	4094	3743	3617	103.48	61.38
February	4433	3912	3604	3771	4104	5099	4599	4207	4089	102.89	68.99
March	5349	4441	4325	4556	5036	5793	5227	4930	4805	102.60	80.84
April	5829	4983	4825	4898	5171	6329	5665	5427	5293	102.53	88.99
May	6561	5928	5674	5603	6225	7588	6699	6299	6167	102.14	103.29
June	8677	7454	7445	7439	7865	8936	8430	8009	7812	102.52	131.33
July	8988	8313	8222	8169	8617	9966	9086	8822	8720	101.17	144.67
August	9244	8036	7772	7978	8643	9519	8949	8527	8329	102.38	139.83
September	7311	6963	6573	6569	6904	8187	7734	7202	7085	101.65	118.10
October	6584	5625	5507	5755	6109	7399	6573	6226	6057	102.79	102.10
November	5824	4213	4509	5169	5038	5757	5292	5096	4928	103.41	83.57
December	3890	4453	4563	4629	4864	5484	4703	4690	4833	97.04	76.91
Daily Average for Year	6384	5631	5533	5667	6023	7018	6421	6098	5978	102.01	

RLL:1:1rk:251:e-1

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-1

Functional Class Principal Arterial

Route I-90, East of Missoula

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1251	290	23.2	216	17.3	196	15.7	195	15.6				
1951	2007	348	17.3					293	14.6				
1961	2238	390	17.4	290	12.9	283	12.6	279	12.5				
1971	3596	540	15.0	487	13.5	470	13.1	460	12.8				
1981	5137	983	19.1	659	12.8	649	12.6	639	12.4				
1982	5091	767	15.1	712	14.0	677	13.3	663	13.0				
1983	5394	786	14.6	709	13.1	691	12.8	685	12.7				
1984	5556	793	14.3	724	13.0	712	12.8	702	12.6				
1985	5482	810	14.8	731	13.3	706	12.9	692	12.6				
1986	5798	860	14.8	770	13.3	748	12.9	737	12.7				
1987	6031	816	13.5	790	13.1	777	12.9	757	12.6				
1988	6098	832	13.6	768	12.6	759	12.4	748	12.3				

RLL:1:cm:251a1

AUTOMATIC RECORDER DATA BY MONTHS

Station A-2
Location U.S. 12 & 287 - 9.0 miles E. of Helena, M.P. 54.5

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 55.5 % Pickups 28.7 % Commercial 12.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2649	2221	2154	2209	2463	2863	2784	2505	2405	104.16	73.91
February	2724	2526	2166	2278	2520	3303	2885	2625	2557	102.66	77.45
March	3194	2522	2487	2624	2854	3484	3346	2903	2776	104.57	85.66
April	3562	2763	2726	2843	2938	3808	3431	3184	3053	104.29	93.95
May	3912	3306	3073	3171	3562	4480	3858	3604	3488	103.33	106.34
June	4417	3770	3658	3698	3942	4797	4410	4080	3959	103.06	120.39
July	4764	4332	4115	4130	4287	5047	4503	4485	4414	101.61	132.34
August	5448	4217	4036	4195	4994	5155	4967	4661	4471	104.25	137.53
September	3584	3627	3339	3266	3543	4363	3736	3658	3657	100.03	107.93
October	3528	3126	2947	2999	3093	4117	3616	3354	3250	103.20	98.97
November	3253	2559	2787	3070	2917	3441	2880	2983	2952	101.05	88.02
December	2239	2411	2497	2471	2770	3157	2667	2627	2689	97.69	77.51
Daily Average for Year	3606	3115	2999	3080	3074	4001	3590	3389	3306	102.51	

RLL:1:lrk:251:e2

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-2
Functional Class Principal Arterial

Route U.S. 12, East of East Helena
Traffic Type ~~Primary - Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	3704							433	11.7				
1961	1820	276	15.2	258	14.2	251	13.8	246	13.5				
1971	2651	463	17.5	414	15.6	399	15.1	385	14.5				
*1981	2803	477	17.0	405	14.4	390	13.9	379	13.5				
1982	2879	455	15.8	429	14.9	405	14.1	393	13.7				
1983	3181	581	18.2	494	15.5	449	14.0	427	13.4				
1984	3087	601	19.5	435	14.1	413	13.4	398	12.9				
1985	2991	544	18.2	452	15.1	416	13.9	408	13.6				
1986	3148	542	17.2	434	13.8	414	13.2	404	12.8				
1987	3317	470	14.2	436	13.1	433	13.1	418	12.6				
1988	3389	767	22.6	493	14.5	475	14.0	451	13.3				

*New Alignment

RLL:1:jm:251a

AUTOMATIC RECORDER DATA BY MONTHS

Station A-3
Location I-15, 0.5 mi. S. of Helena, M.P. 192

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January											
February											
March											
April	5620	6137	6343	6525	6509	7387	6444	6456	6619	97.54	
May	5802	6228	6591	6830	6920	7820	6870	6673	6835	97.63	
June	6124	6906	6972	7146	7280	8173	6761	7063	7288	96.91	
July	6816	7351	7517	7808	7923	8389	6995	7529	7826	96.20	
August	6887	7735	7853	8408	9257	8844	7496	8062	8365	96.38	
September	5758	6541	6933	6867	7216	8027	6747	6920	7163	96.61	
October	5548	6451	6578	6834	6983	7815	6563	6634	6909	96.02	
November	5410	6061	6353	6671	6123	7078	6069	6269	6462	97.01	
December	4769	5972	6302	6324	6659	7248	5913	6212	6542	94.96	
Daily Average for Year											

RLL:1:1rk:251:e3

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station ~~A-3~~

Functional Class Principal Arterial

Route ~~I-15, South of Helena~~

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
*1988	6869	960	14.0	791	11.5	758	11.0	735	10.7				

* In operation - 9 months

RLL:1:cm:251a8

AUTOMATIC RECORDER DATA BY MONTHS

Station A-4
Location U.S. 87 - 1.7 miles E. of Geyser, M.P. 23

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November	1604	1393	1392	1596	1528	1763	1469	1532	1531	100.07	
December	1002	1309	1249	1113	1230	1537	1100	1227	1296	94.68	
Daily Average for Year											

RLL:1:lrk:251:e4

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-4

Functional Class Principal Arterial

Route U.S. 87, East of Geyser

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
*1988	1380	230	16.7	216	15.7	177	12.8	169	12.2				

* In operation - 2 months

R.I.:1:cm:251a#

AUTOMATIC RECORDER DATA BY MONTHS

Station A-5
Location Mont. 7 - 1.0 mile S. of Wibaux, M.P. 79.1

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.3 % Pickups 39.8 % Commercial 14.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	342	447	492	508	472	511	429	454	487	93.22	72.72
February	451	468	505	509	491	550	474	492	503	97.81	78.80
March	546	549	595	615	632	585	539	583	598	97.49	93.38
April	585	587	601	629	623	675	667	627	626	100.16	100.43
May	653	614	642	692	709	704	634	661	668	98.95	105.87
June	849	695	684	709	699	781	812	744	713	104.35	119.17
July	784	680	710	721	713	741	753	732	714	102.52	117.24
August	1177	713	711	714	817	926	971	847	768	110.29	135.66
September	582	591	628	628	658	730	634	640	651	98.31	102.51
October	573	632	640	616	631	701	660	635	644	98.60	101.71
November	525	525	580	598	570	649	526	569	585	97.26	91.14
December	452	464	509	530	530	553	503	508	520	97.69	81.37
Daily Average for Year	627	580	608	622	629	676	634	624	623	100.16	

RLL:1:1rk:251:e5

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-5
Functional Class Minor Arterial

Route Montana 7, South of Wibaux
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	219	50	22.8	37	16.9	34	15.5	33	15.1				
1951	330							49	14.9				
1961	541	102	18.8	74	13.7	68	12.6	65	12.0				
1971	577	258	44.7	173	30.0	145	25.1	112	19.4				
1981	863	255	29.5	181	21.0	145	16.8	125	14.5				
1982		Under Construction											
1983		Under Construction											
1984	670	304	45.4	177	26.4	130	19.4	113	16.9				
1985	639	281	44.0	168	26.3	118	18.5	102	16.0				
1986	589	236	40.1	105	17.8	96	16.3	85	14.4				
1987	628	261	41.6	146	23.2	116	18.5	104	16.6				
1988	624	253	40.5	124	19.9	115	18.4	100	16.0				

R:l:1:jm:251ab

AUTOMATIC RECORDER DATA BY MONTHS

Station A-6
Location FAS 288 - 0.5 mile S. of Manhattan

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 39.5 % Pickups 45.1 % Commercial 11.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	301	416	452	467	465	452	395	417	450	92.67	74.51
February	377	450	463	484	505	543	497	473	487	97.13	84.51
March	426	595	564	598	588	653	543	568	597	95.14	101.49
April	465	619	647	668	621	696	589	617	652	94.63	110.24
May	544	624	651	658	657	729	633	638	661	96.52	114.00
June	513	588	620	640	620	632	586	602	621	96.94	107.56
July	478	620	595	599	609	668	595	593	620	95.65	105.96
August	468	623	605	601	621	649	550	590	618	95.47	105.42
September	403	560	617	620	640	686	647	601	628	95.70	107.39
October	433	627	633	621	613	657	583	591	630	93.81	105.60
November	392	529	590	563	500	553	546	528	550	96.00	94.34
December	383	483	550	494	514	558	490	498	521	95.59	88.98
Daily Average for Year	432	561	582	584	579	623	555	560	586	95.56	

RLL:1:1rk:251:e6

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-6
Functional Class Major Collector

Route FAS 288, South of Manhattan
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	255	90	35.3	50	19.6	44	17.3	42	16.5				
1951	348							52	14.9				
1961	328	144	43.9	64	19.5	51	15.5	47	14.3				
1971	389	97	14.9	67	17.2	56	14.4	52	13.4				
1981	496	105	21.2	73	14.7	66	13.3	63	12.7				
1982	505	92	18.2	78	15.4	69	13.7	65	12.9				
1983	509	89	17.5	73	14.3	67	13.2	64	12.6				
1984	564	136	24.1	99	17.6	79	14.0	73	12.9				
1985	534	128	24.0	84	15.7	75	14.0	69	12.9				
1986	543	104	19.2	72	13.3	69	12.7	67	12.3				
1987	559	102	18.2	83	14.8	74	13.2	69	12.3				
1988	560	112	20.0	80	14.3	72	12.9	68	12.1				

RLL:1:jm:251a6

AUTOMATIC RECORDER DATA BY MONTHS

Station A-7
Location I-15 - 2.5 miles N. of Wolf Creek, M.P. 230.5

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.3 % Pickups 20.2 % Commercial 15.5 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2003	1601	1547	1528	1787	2141	2036	1831	1741	105.17	67.67
February	2269	1927	1610	1757	1879	2564	2360	2048	1946	105.24	75.70
March	2720	1964	2007	2208	2390	2832	2754	2390	2270	105.29	88.34
April	3021	2114	2189	2367	2415	3069	2810	2594	2461	105.40	95.88
May	3273	2723	2378	2495	2712	3515	3316	2904	2745	105.79	107.33
June	3503	2665	2671	2818	2943	3602	3482	3083	2934	105.08	113.95
July	4129	3434	3292	3322	3448	4089	3767	3674	3544	103.67	135.79
August	3948	3164	3066	3262	3351	4009	3881	3491	3344	104.40	129.03
September	3142	2964	2609	2632	2768	3668	3382	3036	2954	102.78	112.21
October	3104	2451	2387	2529	2560	3474	3162	2819	2669	105.62	104.19
November	2890	1824	2117	2503	2305	2842	2546	2424	2317	104.62	89.59
December	1915	2114	2063	1941	2047	2552	2450	2173	2157	100.74	80.32
Daily Average for Year	2993	2412	2328	2447	2550	3196	2996	2706	2590	104.48	

RLL:1:lrk:251:e7

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-7
Functional Class Principal Arterial

Route I-15, North of Wolf Creek
Traffic Type ~~Interstate - Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	534	129	24.2	108	20.2	97	18.2	93	17.4				
1951	886							135	15.2				
1961	1096	176	16.1	157	14.3	148	13.5	143	13.0				
1971	1647	338	20.5	259	15.7	250	15.2	246	14.9				
1981	2169	434	20.0	333	15.4	304	14.0	297	13.7				
1982	2173	433	19.9	351	16.2	321	14.8	315	14.5				
1983	2364	466	19.7	358	15.1	342	14.5	331	14.0				
1984	2331	447	19.2	355	15.2	329	14.1	319	13.7				
1985	2440	380	15.6	356	14.6	345	14.1	336	13.8				
1986	2439	409	16.8	363	14.9	344	14.1	333	13.7				
1987	2475	433	17.5	361	14.6	334	13.5	327	13.2				
1988	2706	461	17.0	396	14.6	376	13.9	369	13.6				

RLL:1:jm:251a7

AUTOMATIC RECORDER DATA BY MONTHS

Station A-8
Location U.S. 93 - 0.5 mile S. of Ravalli, M.P. 26.7

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.0 % Pickups 22.6 % Commercial 13.8 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2861	3281	3444	3525	3654	3841	3417	3426	3563	96.15	67.54
February	3463	3645	3554	3597	3771	4616	3913	3789	3828	98.98	74.69
March	3974	3896	3917	4133	4367	5033	4675	4271	4252	100.45	84.20
April	4491	4373	4320	4432	4632	5494	4883	4696	4690	100.13	92.57
May	5090	4899	4726	4699	5020	6149	5623	5146	5073	101.44	101.45
June	6011	5583	5634	5686	5951	6810	5986	5943	5922	100.35	117.16
July	7634	7472	6936	6808	7078	8505	7771	7507	7414	101.25	147.99
August	7285	6732	6492	6657	7154	8086	7148	7035	6972	100.90	138.68
September	5180	5608	5186	5237	5529	6527	6077	5648	5655	99.88	111.34
October	4526	4698	4703	4805	5128	6057	5203	4997	5060	98.75	98.51
November	3891	4001	4310	4677	4387	5123	4136	4370	4499	97.13	86.15
December	3114	4988	4046	3921	4339	4779	3901	4044	4246	95.24	79.72
Daily Average for Year	4793	4848	4772	4848	5084	5918	5228	5073	5098	99.51	

RLL:1:1rk:251:e8

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-8

Functional Class Principal Arterial

Route U.S. 93, South of Ravalli

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	848	378	44.6	200	23.6	167	19.7	153	18.0				
1951	1357							224	16.5				
1961	1811	527	29.1	305	16.8	281	15.5	271	15.0				
1971	2922	551	18.9	462	15.8	425	14.4	414	14.2				
1981	3932	638	16.2	553	14.1	529	13.5	515	13.1				
1982	3913	774	19.8	592	15.1	564	14.4	540	13.8				
1983	4336	705	16.3	604	13.9	582	13.4	566	13.1				
1984	4442	641	14.4	590	13.3	564	12.7	553	12.5				
1985	4297	662	15.4	601	14.0	578	13.5	565	13.1				
1986	4570	717	15.7	647	14.2	601	13.2	591	12.9				
1987	4907	745	15.2	650	13.2	632	12.9	608	12.4				
1988	5073	734	14.5	712	14.0	673	13.3	646	12.7				

RLL:1:jm:251a8

AUTOMATIC RECORDER DATA BY MONTHS

Station A-9
Location I-15 - 7.0 miles W. of Great Falls, M.P. 287

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 52.9 % Pickups 32.2 % Commercial 9.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3739	3996	4255	4425	4598	4958	4634	4379	4471	97.94	73.25
February	4312	4694	4526	4742	4998	5898	5216	4904	4958	98.91	82.03
March	4617	4812	4910	5217	5504	6074	5398	5218	5291	98.62	87.29
April	5150	5392	5231	5304	5420	6664	5801	5610	5652	99.26	93.84
May	5309	5416	5442	5318	5589	6572	5905	5625	5646	99.63	94.10
June	6006	6001	5998	6212	6290	6919	6052	6214	6281	98.93	103.95
July	7245	7504	7488	7365	7751	8776	7471	7674	7824	98.08	128.37
August	7065	7615	7434	7530	7856	8620	7619	7662	7774	98.56	128.17
September	5608	6621	6405	6424	6800	7789	6943	6698	6852	97.75	112.05
October	5490	6117	6027	6181	6192	7322	6390	6222	6356	97.89	104.08
November	5389	5269	5668	6253	5822	6965	5657	5867	5992	97.91	98.14
December	4615	5529	5595	5337	5795	6751	5705	5663	5844	96.90	94.73
Daily Average for Year	5379	5747	5748	5859	6051	6942	6066	5978	6078	98.35	

RLL:1:lrk:251:e9

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-9
Functional Class Principal Arterial

Route I-15, West of Gt. Falls
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1490	277	18.6	224	15.0	207	13.9	195	13.1				
1951	2497							307	12.3				
1961	3613	692	19.2	455	12.6	420	11.6	411	11.4				
1971	4789	675	14.1	590	12.3	538	11.2	520	10.9				
1981	5209	681	13.1	596	11.4	579	11.1	562	10.8				
1982	5195	730	14.1	629	12.1	600	11.6	583	11.2				
1983	5397	711	13.2	646	12.0	610	11.3	597	11.1				
1984	5416	685	12.7	609	11.2	586	10.8	578	10.7				
1985	5312	658	12.4	601	11.3	581	10.9	567	10.7				
*1986	5553	OUT OF SERVICE AUG., SEPT., & OCT. CONSTRUCTION											
1987	5599	703	12.6	642	11.5	627	11.2	610	10.9				
1988	5978	808	13.5	709	11.9	676	11.3	659	11.0				

*ADT Estimated

R.L:1:jm:251a8

AUTOMATIC RECORDER DATA BY MONTHS

Station A-10
Location U.S. 2 - 2.0 miles E. of Wolf Point, M.P. 592.6

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 51.0 % Pickups 35.6 % Commercial 9.7 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	953	1537	1669	1762	1862	1815	1349	1545	1733	89.15	73.28
February	1063	1692	1726	1786	1808	2006	1528	1659	1798	92.27	78.69
March	1305	1921	1986	2095	2227	2238	1878	1965	2095	93.79	93.20
April	1381	2185	2130	2216	2291	2502	2023	2115	2276	92.93	100.32
May	1487	2117	2291	2327	2416	2628	2001	2160	2342	92.23	102.45
June	1815	2563	2502	2680	2751	2867	2223	2501	2676	93.46	118.62
July	2127	2594	2674	2906	3033	3284	2617	2741	2916	94.00	130.01
August	1804	2638	2573	2588	2746	2841	2225	2499	2667	93.70	118.53
September	1433	2151	2403	2510	2640	2800	2202	2333	2521	92.54	110.65
October	1333	2269	2371	2373	2331	2715	1892	2149	2405	89.36	101.93
November	1277	1930	2020	2225	1964	2058	1656	1892	2047	92.43	89.74
December	1095	1583	1745	1803	2059	2179	1577	1741	1896	91.82	82.58
Daily Average for Year	1423	2098	2174	2273	2344	2494	1931	2108	2281	92.42	

RLL:1:1rk:251:e10

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-10

Functional Class Principal Arterial

Route U.S. 2, East of Wolf Point

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	503	176	35.0	102	20.3	72	14.3	64	12.7				
1951	920							109	11.9				
1961	1347	218	16.2	195	14.5	164	12.2	150	11.1				
1971	1648	305	18.5	211	12.8	198	12.0	191	11.6				
1981	2471	340	13.8	292	11.8	284	11.5	273	11.0				
1982	2257	292	12.9	267	11.8	261	11.6	258	11.4				
1983	2301	298	13.0	274	11.9	268	11.7	260	11.3				
1984	2307	312	13.5	278	12.1	269	11.7	266	11.5				
1985	2207	284	12.9	263	11.9	258	11.7	253	11.5				
1986	2105	298	14.2	276	13.1	266	12.6	260	12.4				
1987	2048	305	14.9	273	13.3	266	12.9	262	12.8				
1988	2108	309	14.7	272	12.9	266	12.6	260	12.3				

R L:1:jm:251a10

AUTOMATIC RECORDER DATA BY MONTHS

Station A-11
Location I-90 - 6.0 miles W. of Billings, M.P. 441.8

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.8 % Pickups 26.9 % Commercial 11.6 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	8456	10372	10178	10756	11045	11267	10471	10335	10750	96.14	80.35
February	9817	10590	9911	10284	10792	12591	11481	10774	10822	99.56	83.76
March	10909	11426	11201	11487	12047	13038	12867	11827	11806	100.18	91.95
April	11765	11785	11877	12278	12345	13981	12740	12460	12526	99.47	96.87
May	12173	13074	13081	12951	13162	15096	13419	13231	13437	98.47	102.86
June	14949	15015	14728	15039	15264	16572	15278	15256	15308	99.66	118.61
July	15354	15573	15381	15699	16134	17398	15921	15952	16102	99.07	124.02
August	15477	15216	15060	15416	15705	17454	16432	15766	15700	100.42	122.57
September	11863	12956	12747	12956	13242	14946	14220	13330	13435	99.22	103.63
October	11381	11722	11470	11979	12283	13507	12488	12094	12170	99.38	94.02
November	10252	11215	11794	12425	11290	13318	11859	11761	12018	97.86	91.44
December	9124	11170	11459	11449	12209	13562	11374	11566	12053	95.96	89.92
Daily Average for Year	11793	12510	12407	12727	12960	14394	13213	12863	13011	98.86	

RLL:1:1rk:251:e11

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-11

Functional Class Principal Arterial

Route I-90, West of Billings

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	2913	564	19.4	423	14.5	388	13.3	370	12.7				
1951	4659							536	11.5				
1961		UNDER CONSTRUCTION											
1971	7638	927	12.1	835	10.9	799	10.5	781	10.2				
1981	10948	1291	11.8	1185	10.8	1143	10.4	1117	10.2				
1982	11331	1368	12.1	1232	10.9	1201	10.6	1174	10.4				
1983	11648	1455	12.5	1264	10.9	1214	10.4	1199	10.2				
1984	12248	1540	12.6	1328	10.8	1280	10.5	1261	10.3				
1985	12339	1561	12.7	1344	10.9	1315	10.7	1283	10.4				
1986	12678	1514	11.9	1366	10.8	1311	10.3	1286	10.1				
1987	13088	1565	11.9	1396	10.7	1362	10.4	1333	10.2				
1988	12863	1483	11.5	1353	10.5	1306	10.2	1261	9.8				

R:1:jm:251a11

AUTOMATIC RECORDER DATA BY MONTHS

Station A-12
Location U.S. 87 & Mont. 200 - 6.0 miles W. of Lewistown, M.P. 76.2

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.2 % Pickups 31.0 % Commercial 17.2 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1034	1164	1345	1364	1374	1434	1182	1266	1341	94.41	70.82
February	1235	1342	1254	1343	1444	1757	1413	1396	1424	98.03	78.09
March	1381	1397	1566	1543	1633	1756	1481	1541	1579	97.59	86.20
April	1592	1678	1780	1762	1778	2082	1686	1773	1829	96.94	99.18
May	1858	1863	1950	1837	1940	2305	1819	1934	1972	98.07	108.18
June	2177	1983	1987	2025	2114	2366	2039	2097	2093	100.19	117.30
July	2240	2197	2198	2135	2207	2560	2185	2254	2274	99.12	126.09
August	2248	2112	2001	2000	2089	2385	2092	2123	2107	100.76	118.76
September	1546	1829	1775	1742	1910	2220	1816	1849	1910	96.81	103.43
October	1926	1895	1919	1895	1985	2371	2067	2004	2007	99.85	112.10
November	1595	1613	1780	1846	1731	1972	1710	1754	1791	97.93	98.12
December	1102	1489	1599	1312	1520	1789	1347	1461	1552	94.14	81.73
Daily Average for Year	1661	1714	1763	1734	1810	2083	1736	1788	1823	98.08	

RLL:1:1rk:251:e12

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-12
Functional Class Principal Arterial

Route U.S. 87 & Mont. 200, West Lewistown
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	637	120	18.8	97	15.2	90	14.1	84	13.2				
1951	1132							137	12.1				
1961	1491	194	13.0	172	11.5	167	11.2	163	10.9				
1971	1498	315	21.0	181	12.1	171	11.4	165	11.0				
1981	1698	247	14.5	215	12.7	201	11.8	200	11.7				
1982	1655	245	14.8	214	12.9	204	12.3	199	12.0				
1983	1702	276	16.2	216	12.7	207	12.2	200	11.8				
1984	1725	233	13.5	216	12.5	205	11.9	201	11.7				
1985	1699	336	19.8	227	13.4	216	12.7	211	12.4				
1986	1737	332	19.1	225	13.0	216	12.4	209	12.0				
1987	1749	538	30.8	226	12.9	217	12.4	210	12.0				
1988	1788	276	15.4	227	12.7	215	12.0	209	11.7				

R.L:1:jm:251a12

AUTOMATIC RECORDER DATA BY MONTHS

Station A-13
Location U.S. 191 - 7.0 miles N. of Lewistown, M.P. 9.5

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 41.7 % Pickups 38.6 % Commercial 16.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	639	912	992	993	941	1026	781	890	975	91.28	71.30
February	743	922	875	961	1017	1151	923	941	982	95.82	75.39
March	836	1014	1116	1093	1085	1106	957	1036	1085	95.48	83.00
April	978	1117	1134	1142	1176	1284	1041	1127	1176	95.83	90.29
May	1169	1264	1334	1271	1330	1466	1152	1281	1330	96.32	102.62
June	1417	1378	1416	1418	1491	1576	1494	1456	1456	100.00	116.64
July	1437	1477	1515	1463	1549	1782	1581	1549	1568	98.79	124.09
August	1294	1451	1477	1484	1401	1541	1322	1429	1471	97.14	114.48
September	1007	1252	1368	1329	1438	1597	1270	1336	1408	94.89	107.03
October	1295	1469	1469	1444	1501	1695	1459	1469	1513	97.09	117.69
November	1139	1344	1435	1466	1357	1523	1257	1366	1427	95.73	109.43
December	853	1108	1198	1044	1137	1337	980	1099	1171	93.85	88.04
Daily Average for Year	1067	1226	1277	1259	1285	1424	1185	1248	1297	96.22	

RLL:1:lrk:251:e13

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-13
Functional Class Minor Arterial

Route U.S. 191, North of Lewistown
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	407	111	27.3	83	20.4	67	16.5	63	15.5				
1951	593							85	14.3				
1961	1239	212	17.1	172	13.9	166	13.4	162	13.1				
1971	1083	161	14.9	135	12.5	131	12.1	127	11.7				
1981	1223	157	12.8	147	12.0	141	11.5	137	11.2				
1982	1141	174	15.3	144	12.6	138	12.1	135	11.8				
1983	1172	176	15.0	148	12.6	140	12.0	135	11.5				
1984	1143	169	14.8	147	12.9	138	12.1	135	11.8				
1985	1107	167	15.1	146	13.2	140	12.6	135	12.2				
1986	1106	156	14.1	135	12.2	132	11.9	129	11.7				
1987	1203	181	15.0	157	13.1	147	12.2	144	12.0				
1988	1248	183	14.7	164	13.1	155	12.4	151	12.1				

R.L.:1:jm:251a13

AUTOMATIC RECORDER DATA BY MONTHS

Station A-14
Location FAS 278 - 7.0 miles S.W. of Dillon, M.P. 6.0

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 44.1 % Pickups 33.2 % Commercial 12.9 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	395	270	271	280	322	324	382	325	294	110.54	65.57
February	371	323	314	341	332	413	440	361	344	104.94	72.83
March	378	355	360	380	374	431	423	385	379	101.58	77.67
April	411	369	382	388	410	412	416	399	393	101.53	80.50
May	534	479	483	465	494	537	534	503	490	102.65	101.48
June	614	543	554	529	591	605	581	573	564	101.60	115.60
July	870	676	667	662	678	725	880	745	683	109.08	150.30
August	667	559	582	594	627	637	626	610	597	102.18	123.07
September	525	552	550	537	587	601	567	562	568	98.94	113.38
October	658	516	517	555	583	654	683	597	563	106.04	120.45
November	520	433	469	483	488	617	617	515	496	103.83	103.90
December	411	333	341	347	360	399	406	373	358	104.19	75.25
Daily Average for Year	530	451	458	463	487	530	546	496	477	103.98	

RLL:1:lrk:251:e14

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-14
Functional Class Major Collector

Route FAS 278, Southwest of Dillon
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	290	120	41.4	70	24.1	49	16.9	47	16.2				
1951	342							53	15.4				
1961	311	63	20.3	51	16.4	47	15.1	45	14.5				
1971	405	107	26.4	74	18.3	65	16.0	60	14.8				
1981	435	144	33.1	87	20.0	73	16.8	66	15.2				
1982	422	120	28.4	72	17.1	69	16.4	66	15.6				
1893	443	94	21.2	77	17.4	70	15.8	66	14.9				
1984	425	118	27.8	96	22.6	82	19.3	76	17.9				
1985	433	105	24.2	88	20.3	77	17.8	70	16.2				
1986	457	112	24.5	92	20.1	72	15.8	67	14.7				
1987	491	117	23.8	84	17.1	78	15.9	75	15.3				
1988	496	116	23.4	96	19.4	80	16.1	77	15.5				

R:L:1:jm:251a:4

AUTOMATIC RECORDER DATA BY MONTHS

Station A-15
Location Mont. 200 - 4.0 miles NE of Bonner, M.P. 5.2

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 47.9 % Pickups 27.7 % Commercial 18.7 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1755	1972	2008	2052	2153	2238	1933	2012	2092	96.18	71.32
February	1972	2072	1983	2049	2081	2476	2042	2095	2129	98.40	74.26
March	2038	1930	1918	2003	2112	2369	2052	2055	2059	99.81	72.84
April	2622	2221	2164	2179	2261	2702	2569	2405	2324	103.49	85.25
May	3528	2954	2718	2711	2932	3507	3389	3102	2953	105.05	109.96
June	4585	3090	3031	3107	3297	4014	3975	3560	3298	107.94	126.19
July	4989	3917	3484	3377	3518	4418	4586	4102	3775	108.66	145.41
August	4032	3397	3225	3237	3473	3999	3630	3543	3443	102.90	125.59
September	2862	3127	2778	2908	2938	3332	3134	3019	3027	99.74	107.02
October	3119	2761	2720	2794	2823	3368	3148	2966	2887	102.74	105.14
November	3000	2407	2557	2811	2708	3214	2832	2783	2734	101.79	98.65
December	1719	2086	2286	2334	2447	2560	1959	2211	2357	106.60	78.37
Daily Average for Year	3018	2661	2573	2630	2729	3183	2937	2821	2757	102.32	

RLL:1:1rk:251:e15

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-15
Functional Class Principal Arterial

Route Mont. 200, Northeast of Bonner
Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	292	160	54.7	119	40.7	111	38.0	102	34.9				
1951	492							128	26.1				
1961	1231	311	25.3	213	17.3	201	16.3	188	17.3				
1971	1811	399	22.0	340	18.8	321	17.7	302	16.7				
1981	2392	505	21.1	401	16.8	376	15.7	363	15.2				
1982	2232	446	20.0	381	17.1	364	16.3	349	15.6				
1983	2364	536	22.7	431	18.2	388	16.4	373	15.8				
1984	2529	539	21.3	411	16.3	386	15.3	374	14.8				
1985	2534	693	27.3	436	17.2	413	16.3	393	15.5				
1986	2734	505	18.5	447	16.4	438	16.0	427	15.6				
1987	2837	590	20.8	488	17.2	445	15.7	434	15.3				
1988	2821	496	17.6	453	16.1	426	15.1	410	14.5				

RLL:1:jm:251a15

AUTOMATIC RECORDER DATA BY MONTHS

Station A-16
Location I-15 & 90 - 3.0 miles W. of Butte, M.P. 123

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 59.7 % Pickups 22.3 % Commercial 13.9 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	6641	6471	7011	7176	7581	7813	7651	7209	7239	99.59	69.68
February	7891	7393	7473	7689	8244	9415	8558	8071	8012	100.74	78.01
March	8052	7989	8252	8530	9198	9896	9163	8719	8758	99.55	84.28
April	9401	9040	9339	9514	9742	10855	9909	9732	9753	99.78	94.07
May	10236	9650	9406	9739	10135	11569	10757	10170	10048	101.21	98.31
June	12613	11711	11979	12028	12659	13865	13239	12569	12439	101.05	121.50
July	13889	13217	13417	13716	13949	15569	14344	14071	14049	100.16	136.01
August	13208	12656	12982	13053	13390	14455	13326	13257	13254	100.02	128.15
September	10397	11187	11309	11641	11861	13135	12007	11705	11887	98.47	113.14
October	9962	10162	10538	10708	10883	12245	10567	10676	10872	98.20	103.20
November	9138	8477	9260	9694	9197	10497	9396	9386	9430	99.53	90.73
December	6814	8240	8720	8541	9088	9929	8317	8578	8958	95.76	82.92
Daily Average for Year	9854	9683	9974	10169	10494	11604	10603	10345	10392	99.55	

RLL:1:1rk:251:e16

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-16
Functional Class Principal Arterial

Route I-90 & I-15, West of Butte
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	4027							507	12.6				
1961	4495	619	13.8	543	12.1	523	11.6	513	11.4				
1971	7123	884	12.4	845	11.9	828	11.6	817	11.5				
1981	8566	1008	11.8	974	11.4	950	11.1	936	10.9				
1982	8376	1110	13.3	1018	12.2	989	11.8	975	11.6				
1983	8404	1018	12.1	980	11.7	957	11.4	943	11.2				
1984	8815	1050	11.9	1001	11.4	985	11.2	961	10.9				
1985	8754	1061	12.1	997	11.4	981	11.2	968	11.1				
1986	8949	1061	11.9	1017	11.4	988	11.0	972	10.9				
1987	9800	1125	11.5	1076	11.0	1055	10.8	1048	10.7				
1988	10345	1352	13.1	1180	11.4	1143	11.0	1125	10.9				

R:L:1:jm:251a:6

AUTOMATIC RECORDER DATA BY MONTHS

Station A-17
Location I-15 - 3.5 miles N. of Lima, M.P. 19

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 53.6 % Pickups 14.1 % Commercial 17.7 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	879	858	890	911	944	959	981	920	915	100.55	61.64
February	1046	998	991	1023	1044	1176	1058	1046	1044	100.19	70.09
March	1126	907	972	1099	1143	1217	1153	1086	1068	101.69	72.77
April	1199	1181	1137	1156	1222	1381	1151	1208	1223	98.77	80.94
May	1416	1444	1293	1315	1464	1766	1492	1449	1448	100.07	97.09
June	1873	1651	1689	1788	1913	1981	1944	1835	1809	101.44	122.96
July	2189	2025	1961	1889	2022	2484	2285	2141	2095	102.20	143.46
August	2331	2026	1883	1943	2142	2430	2311	2133	2067	103.19	142.92
September	1869	1843	1662	1658	1756	2052	1812	1814	1804	100.55	121.55
October	1595	1433	1407	1471	1561	1772	1561	1542	1524	101.18	103.32
November	1734	1234	1371	1512	1303	1497	1465	1445	1389	104.03	96.82
December	924	1135	1309	1356	1448	1540	1229	1290	1370	94.16	86.44
Daily Average for Year	1515	1395	1380	1427	1497	1688	1537	1492	1480	100.81	

RLL:1:1rk:251:e17

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-17

Functional Class Principal Arterial

Route I-15, North of Lima

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	388							46	11.8				
1961	593	86	14.5	75	12.6	72	12.1	68	11.5				
1971	785	153	19.5	113	14.4	109	13.9	106	13.5				
1981	1251	187	14.9	171	13.4	162	12.9	157	12.5				
1982	1280	209	16.3	178	13.9	167	13.0	163	12.7				
1983	1283	224	17.5	198	15.4	177	13.8	171	13.3				
1984	1296	231	17.8	194	15.0	182	14.0	173	13.4				
1985	1315	239	18.2	191	14.5	182	13.8	175	13.3				
1986	1383	225	16.3	198	14.3	191	13.8	183	13.2				
1987	1442	253	17.5	210	14.6	198	13.7	191	13.2				
1988	1492	310	20.8	241	16.2	218	14.6	210	14.1				

RLL:1:jm:251:17

AUTOMATIC RECORDER DATA BY MONTHS

Station A-18
Location U.S. 20 - 0.5 miles W. of West Yellowstone, M.P. 4.2

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.6 % Pickups 27.9 % Commercial 14.4 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	762	637	672	705	710	837	841	745	718	103.76	35.81
February	1061	882	768	825	854	1080	1126	940	882	106.58	45.18
March	1098	849	881	881	960	1114	1205	989	933	106.00	47.53
April	1136	912	973	1035	1023	1136	1135	1056	1022	103.33	50.76
May	2331	1952	1683	1636	1704	2120	2465	1985	1819	109.13	95.41
June	3781	3445	3451	3385	3384	3582	3923	3552	3443	103.17	170.73
July	5584	5450	5244	5127	4985	5284	5894	5388	5221	103.20	258.97
August	4434	4327	4121	4061	4124	4670	4714	4333	4249	101.98	208.27
September	2997	2363	2152	2221	2332	2689	3176	2558	2366	108.11	122.96
October	2254	1455	1470	1497	1579	1868	2255	1790	1568	114.16	86.04
November	927	770	867	922	815	953	925	883	868	101.73	42.44
December	644	748	765	744	718	787	806	747	752	99.34	35.90
Daily Average for Year	2251	1983	1921	1920	1932	2177	2372	2081	1987	104.73	

RLL:1:1rk:251:e18

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-18
Functional Class Principal Arterial

Route U.S. 20 & 191, West of West Yellowstone
Traffic Type ~~Primary~~ Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	529							131	24.8				
1961				UNDER CONSTRUCTION									
1971	1262	384	30.4	328	26.0	312	24.7	286	22.7				
1981	1618	421	26.0	360	22.2	345	21.3	336	20.8				
1982	1585	402	25.4	370	23.3	360	22.7	348	22.0				
1983	1653	522	31.6	386	23.4	363	22.0	355	21.5				
1984	1674	412	24.6	383	22.9	368	22.0	360	21.5				
1985	1717	440	25.6	395	23.0	376	21.9	363	21.1				
1986	1820	445	24.5	401	22.0	388	21.3	377	20.7				
1987	1937	435	22.6	403	20.8	394	20.3	376	19.4				
1988	2081	707	34.0	624	30.0	558	26.8	516	24.8				

R_L:1:jm:251a:8

AUTOMATIC RECORDER DATA BY MONTHS

Station A-19
Location U.S. 191 & 287 - 7.7 miles N. of West Yellowstone, M.P. 7.8

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.5 % Pickups 28.9 % Commercial 13.4 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	794	778	807	859	854	940	894	849	852	99.65	45.26
February	1167	949	847	953	964	1180	1161	1029	977	105.32	54.86
March	1164	967	968	1035	1107	1259	1254	1101	1063	103.57	58.69
April	1084	925	991	1088	1044	1137	1082	1054	1042	101.15	56.19
May	1842	1652	1626	1648	1675	1901	1961	1753	1695	103.42	93.45
June	3022	2917	2924	3020	3053	3103	2909	2995	3006	99.63	159.66
July	3913	3911	4069	3964	3828	4031	3922	3949	3964	99.62	210.52
August	3663	3592	3701	3708	3709	3844	3599	3686	3705	99.49	196.50
September	2625	2462	2211	2331	2397	2549	2772	2478	2397	103.38	132.10
October	1886	1502	1533	1586	1538	1735	1872	1673	1575	106.22	89.19
November	1068	921	1005	1105	975	1133	1138	1050	1030	101.94	55.98
December	683	852	941	900	953	1013	868	893	936	95.41	47.60
Daily Average for Year	10243	1786	1802	1850	1841	1985	1953	1876	1854	101.19	

RLL:1:1rk:251:e19

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-19

Functional Class Principal Arterial

Route U.S. 191, North of West Yellowstone

Traffic Type ~~Primary~~ - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	468							120	25.6				
1961	802	285	35.5	220	27.4	212	26.4	204	25.4				
1971	1142	301	26.4	258	22.6	244	21.4	227	19.9				
1981	1481	383	25.9	303	20.5	288	19.4	284	19.2				
1982	1536	421	27.4	339	22.1	309	20.1	299	19.5				
1983	1601	387	24.2	316	19.7	308	19.2	298	18.6				
1984	1629	377	23.1	336	20.6	316	19.4	301	18.5				
1985	1601	337	21.0	311	19.4	298	18.6	290	18.1				
1986	1698	355	20.9	322	19.0	311	18.3	305	18.0				
1987	1853	338	18.2	313	16.9	305	16.4	300	16.2				
1988	1876	373	19.9	340	18.1	332	17.7	327	17.4				

R:L:1:jm:251a:9

AUTOMATIC RECORDER DATA BY MONTHS

Station A-20
Location U.S. 89 - 17.0 miles N. of Gardiner, M.P. 18

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 43.8 % Pickups 40.1 % Commercial 7.3 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	686	589	572	554	629	797	861	680	636	106.92	52.21
February	792	615	558	532	637	800	928	692	628	110.19	53.14
March	777	635	672	651	701	838	876	730	696	104.89	56.05
April	882	699	753	766	818	972	1036	857	810	105.80	65.81
May	1402	1228	1101	1113	1169	1340	1354	1244	1188	104.71	95.52
June	2139	1996	2063	1885	1943	2034	2023	2005	1978	101.37	153.95
July	2506	2495	2559	2436	2413	2601	2542	2512	2505	100.28	192.89
August	2286	2185	2159	2038	2220	2359	2194	2198	2184	100.64	168.77
September	1542	1372	1303	1350	1438	1716	1712	1496	1449	103.24	114.87
October	1626	1208	1188	1239	1265	1611	1618	1402	1298	108.01	107.65
November	1023	811	896	913	960	1185	1142	984	948	103.80	75.56
December	647	779	784	816	825	993	892	828	846	97.87	63.58
Daily Average for Year	1359	1222	1217	1191	1252	1437	1432	1302	1264	103.01	

RLL:1:1rk:251:e20

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-20
Functional Class Minor Arterial

Route U.S. 89, North of Gardiner
Traffic Type ~~Primary~~ - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	386							91	23.6				
1961					UNDER CONSTRUCTION								
1971	655	167	25.5	144	22.0	134	20.5	131	20.0				
1981	932	198	21.2	178	19.1	173	18.6	169	18.1				
1982	933	207	22.2	180	19.3	173	18.5	169	18.1				
1983	995	231	23.2	191	19.2	187	18.8	185	18.6				
1984	1012	225	22.2	199	19.7	188	18.6	182	18.0				
1985	1002	200	20.0	181	18.1	175	17.5	172	17.2				
1986	1099	253	23.0	206	18.7	198	18.0	193	17.6				
1987	1201	246	20.5	220	18.3	211	17.6	205	17.1				
1988	1302	296	22.7	235	18.0	224	17.2	216	16.6				

RLI:1:jm:251a20

AUTOMATIC RECORDER DATA BY MONTHS

Station A-21
Location Mont. Ave. between Billings & Missoula Aves. - Helena

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	11641	18629	18562	18950	19406	19136	16985	17451	18946	92.11	87.78
February	13594	18221	18562	18852	19468	21954	18430	18433	19355	95.24	92.72
March	13945	19847	19953	20278	21227	22822	19792	19771	20781	95.14	99.45
April	14304	20415	20963	20628	21310	23811	20377	20381	21539	94.62	102.51
May	15397	19982	21633	21574	22218	24996	21828	20888	21965	95.10	105.06
June	15154	23091	23035	23462	23663	25339	20343	22115	23704	93.30	111.24
July	15317	21324	23102	23373	23441	24797	19757	21430	23283	92.04	107.79
August	14110	20207	20129	20320	20546	21299	17301	19235	20463	94.00	96.75
September	13353	18197	20037	20211	20411	22132	17607	19011	20295	93.67	95.62
October	13862	20267	20719	21167	22443	24674	20066	20225	21778	92.87	101.73
November	13645	20020	20421	20955	18121	22680	19078	19369	20462	94.66	97.43
December	12931	20012	21317	21703	22027	23635	19196	20262	21838	92.78	101.92
Daily Average for Year	13938	20018	20703	20956	21190	23106	19230	19881	21201	93.77	

RLL:1:1rk:251:e21

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-21
Functional Class Principal Arterial

Route U.S. 12, Mont. Ave. Helena
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	6730							700	10.4				
1961	7971	881	11.1	846	10.6	832	10.4	832	10.4				
1971	13549	1656	12.2	1538	11.4	1507	11.1	1507	10.7				
1981	18124	2208	12.2	1979	10.9	1916	10.6	1891	10.4				
1982	18725	2192	11.7	2029	10.8	1985	10.6	1971	10.5				
1983	19459	2178	11.2	2042	10.5	2002	10.3	1977	10.2				
1984	19453	2208	11.4	2078	10.7	2047	10.5	2030	10.4				
1985	20701	2366	11.4	2252	10.9	2207	10.7	2177	10.5				
1986	20184	2484	12.3	2180	10.8	2123	10.5	2103	10.4				
1987	20472	2349	11.5	2176	10.6	2124	10.4	2098	10.2				
1988	19881	2347	11.8	2155	10.8	2104	10.6	2084	10.5				

RLL:1:jm:251a21

AUTOMATIC RECORDER DATA BY MONTHS

Station A-23 Year 1988

Location FAS 241 - 2.5 miles N. of Harlem

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 25.9 % Pickups 44.1 % Commercial 24.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	180	258	277	272	306	290	211	253	281	90.04	74.58
February	210	276	248	266	256	303	239	258	270	95.56	76.05
March	251	317	348	345	356	431	352	343	358	95.81	101.11
April	253	377	380	408	408	426	326	369	401	92.02	108.77
May	299	348	367	362	377	445	309	356	377	94.43	104.94
June	261	365	363	398	397	394	297	357	385	92.73	105.23
July	278	375	412	391	425	472	367	387	418	92.58	114.08
August	289	377	392	390	405	430	365	379	397	95.47	111.72
September	275	350	377	367	413	430	366	372	391	95.14	109.65
October	290	389	394	384	396	415	357	372	395	94.18	109.65
November	250	321	349	333	330	337	323	322	335	96.12	94.91
December	202	298	304	340	344	349	270	303	329	92.10	89.31
Daily Average for Year	253	338	351	355	368	394	315	339	361	93.91	

RLL:1:1rk:251:e22

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-23
Functional Class Major Collector

Route FAS 241, North of Harlem
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	214							32	14.8				
1961	205	40	19.5	33	16.1	31	15.1	30	14.6				
1971	313	55	17.6	49	15.7	45	14.4	43	13.7				
1981	340	64	18.8	48	14.1	45	13.2	45	13.2				
1982	320	57	17.8	46	14.4	44	13.8	43	13.4				
1983	358	125	34.9	90	25.1	76	21.2	57	15.9				
1984	319	53	16.6	48	15.1	45	14.1	44	13.8				
1985	295	62	21.0	43	14.6	42	14.2	40	13.6				
1986	290	52	17.9	46	15.9	43	14.8	42	14.5				
1987	318	56	17.6	46	14.5	43	13.5	42	13.2				
1988	339	53	15.6	48	14.2	46	13.6	45	13.3				

RLJ:1:jm:251a22

AUTOMATIC RECORDER DATA BY MONTHS

Station A-24
Location U.S. 2 - 1.3 miles W. of Kalispell, M.P. 118.9

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 50.3 % Pickups 34.3 % Commercial 11.0 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3193	4487	4649	4638	4627	4514	4020	4266	4580	93.14	79.61
February	3602	4672	4803	4693	4742	5198	4367	4585	4814	95.24	85.57
March	3660	4681	4706	4807	4803	5187	4615	4650	4828	96.31	86.78
April	4105	5076	5095	5106	5117	5508	5030	5023	5196	96.67	93.74
May	4513	5364	5633	5607	5858	6349	5453	5504	5738	95.92	102.71
June	5056	6404	6368	6180	6366	6753	5783	6140	6401	95.92	114.58
July	5533	6539	6702	6617	6796	7246	6325	6521	6802	95.87	121.69
August	5264	6517	6477	6484	6640	6997	6181	6378	6606	96.55	119.02
September	4374	5448	5839	5919	5983	6388	5360	5654	5940	95.19	105.51
October	4572	5791	5818	5916	5940	6341	5475	5653	5953	94.96	105.50
November	4312	5204	5412	5440	5092	5732	5033	5192	5381	96.49	96.89
December	3413	4780	5023	4980	4972	5376	4464	4737	5040	93.99	88.40
Daily Average for Year	4300	5414	5544	5532	5578	5966	5176	5359	5607	95.58	

RLL:1:1rk:251:e23

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-24
Functional Class Principal Arterial

Route U.S. 2, West of Kalispell
Traffic Type ~~Primary~~ ~~Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	1358							171	12.6				
1961	1454	219	15.1	190	13.1	184	12.7	180	12.4				
1971	2442	442	18.1	366	15.0	352	14.4	339	13.9				
1981	3843	494	12.9	462	12.0	451	11.7	446	11.6				
1982	3972	575	14.5	488	12.3	475	12.0	466	11.7				
1983	4502	569	12.6	537	11.9	523	11.6	516	11.5				
1984	4785	574	12.0	543	11.4	533	11.1	525	11.0				
1985	4897	576	11.8	544	11.3	538	11.0	527	10.8				
1986	5040	594	11.8	573	11.4	556	11.0	549	10.9				
1987	5283	639	12.1	601	11.4	590	11.2	581	11.0				
1988	5359	633	11.8	604	11.3	577	10.8	571	10.7				

RLL:1:jm:251a23

AUTOMATIC RECORDER DATA BY MONTHS

Station A-25
Location I-94 - 6.8 miles E. of Wibaux, M.P. 242.8

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 43.3 % Pickups 26.2 % Commercial 22.7 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1227	1019	1098	1244	1218	1406	1412	1243	1207	102.98	61.18
February	1498	1211	1189	1271	1278	1464	1583	1351	1279	105.63	66.49
March	1785	1372	1442	1630	1694	1556	1931	1626	1545	105.24	80.02
April	1841	1632	1534	1639	1694	1972	1933	1763	1707	103.28	86.77
May	2070	1832	1783	1848	1919	2196	2102	1957	1905	102.73	96.31
June	2923	2532	2534	2624	2714	2877	2974	2735	2657	102.94	134.60
July	3217	2781	2724	2877	2973	3278	3350	3053	2943	103.74	150.25
August	3343	2716	2710	2789	3012	3243	3360	2997	2873	104.32	147.50
September	2435	2277	2115	2273	2410	2574	2700	2404	2344	102.56	118.31
October	2107	1761	1812	1931	2045	2262	2376	2046	1953	104.76	100.69
November	1780	1392	1457	1710	1583	1805	1806	1643	1589	103.40	80.86
December	1393	1369	1444	1531	1667	1799	1645	1565	1578	99.18	77.02
Daily Average for Year	2135	1825	1820	1947	2017	2203	2264	2032	1965	103.41	

RLL:1:lrk:251:e24

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-25
Functional Class Principal Arterial

Route I-94, East of Wibaux
Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1958	1053							130	12.3				
1961	1031	233	22.6	173	16.8	148	14.4	141	13.7				
1971	1622	257	15.8	234	14.4	223	13.7	218	13.4				
1981	2521	414	16.4	326	12.9	296	11.7	282	11.2				
1982	2236	349	15.6	275	12.3	265	11.9	259	11.6				
1983	2126	600	28.2	305	14.4	283	13.3	267	12.6				
1984	2113	333	15.8	275	13.0	263	12.5	258	12.2				
1985	1996	317	15.9	260	13.0	250	12.5	241	12.1				
1986	1925	279	14.5	254	13.2	244	12.7	240	12.5				
1987	1973	289	14.6	254	12.9	248	12.6	242	12.3				
1988	2032	294	14.5	268	13.2	255	12.5	249	12.3				

RLL:1:jm:251a24

AUTOMATIC RECORDER DATA BY MONTHS

Station A-27
Location U.S. 191 - 1.5 miles S. of Fred Robinson Bridge, M.P. 87.0

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 41.9 % Pickups 39.3 % Commercial 15.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	294	264	273	248	298	343	260	284	288	98.61	60.25
February	361	336	259	280	326	465	305	333	333	100.00	70.64
March	494	357	338	368	441	488	339	401	396	101.26	85.06
April	513	456	370	351	411	586	368	439	442	99.32	93.12
May	562	561	439	442	521	700	520	533	529	100.76	113.06
June	668	582	532	544	590	740	545	598	595	100.50	126.85
July	650	597	561	559	573	743	564	611	613	99.67	129.61
August	655	592	545	527	571	690	491	579	581	99.66	122.82
September	535	579	568	514	533	627	492	538	547	98.35	114.12
October	605	488	441	463	509	695	537	535	517	103.48	113.49
November	565	380	388	466	422	532	414	450	436	103.21	95.46
December	338	353	349	304	351	468	313	356	369	96.48	75.52
Daily Average for Year	520	462	414	422	462	590	429	471	471	100.00	

RLL:1:1rk:251:e25

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-27
Functional Class Minor Arterial

Route U.S. 191 1.5 Mi. S. of Fred Robinson Bridge
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	202	126	62.4	71	35.1	50	24.8	44	21.8				
1971	314	98	31.2	64	20.4	56	17.8	53	16.9				
1981	413	94	22.8	75	18.2	69	16.7	66	16.0				
1982	383	103	26.9	76	19.8	69	18.0	65	17.0				
1983	422	113	26.8	92	21.8	77	18.3	71	16.8				
1984	426	109	25.6	81	19.0	76	17.8	71	16.7				
1985	411	99	24.1	79	19.2	71	17.3	69	16.8				
1986	418	116	27.8	82	19.6	75	17.9	72	17.2				
1987	464	111	23.9	92	19.8	83	17.9	77	16.6				
1988	471	106	22.5	92	19.5	83	17.6	76	16.1				

R.L.:1:jm:251a25

AUTOMATIC RECORDER DATA BY MONTHS

Station A-28 Year 1988

Location Frontage Road - 7.0 miles W. of Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.2 % Pickups 39.1 % Commercial 6.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1810	2007	2118	2276	2214	2410	2313	2165	2215	97.74	83.30
February	2054	2236	2196	2369	2213	2517	2483	2293	2303	99.57	88.22
March	2121	2406	2431	2620	2497	2720	2597	2488	2532	98.26	95.72
April	2277	2545	2624	2850	2593	2984	2862	2693	2732	98.57	103.61
May	2470	2666	2869	2914	2802	3036	2786	2780	2849	97.58	106.96
June	2598	2982	3027	3205	3081	3335	2989	3039	3128	97.15	116.92
July	2393	2689	2771	2961	2874	3148	2720	2790	2901	96.17	107.34
August	2339	2759	2758	2913	2756	2902	2689	2738	2817	97.20	105.34
September	2077	2513	2684	2785	2762	2942	2514	2627	2748	95.60	101.07
October	2249	2600	2659	2775	2619	2903	2812	2649	2706	97.89	101.92
November	2112	2371	2586	2730	2392	2704	2482	2494	2566	97.19	95.95
December	2032	2381	2436	2349	2450	2667	2617	2434	2466	98.70	93.65
Daily Average for Year	2211	2513	2597	2729	2604	2856	2655	2599	2664	97.56	

RLL:1:1rk:251:e26

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-28
Functional Class Major Collector

Route Vaughn - Interstate
Traffic Type Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	255	112	43.9	71	27.8	63	24.7	59	23.1				
1971	553	103	18.6	89	16.1	84	15.2	80	14.5				
1981	2270	354	15.6	273	12.0	266	11.7	261	11.5				
1982	2205	300	13.6	266	12.1	257	11.7	252	11.4				
1983	2359	301	12.8	273	11.6	267	11.3	262	11.1				
1984	2261	358	15.8	266	11.7	260	11.5	256	11.3				
1985	2262	285	12.6	267	11.8	254	11.2	251	11.1				
*1986	3926	929	23.7	830	21.1	783	19.9	759	19.3				
	*Interstate traffic diverted to frontage road during construction.												
1987	2587	367	14.2	295	11.4	286	11.1	278	10.7				
1988	2599	343	13.2	298	11.5	289	11.1	284	10.9				

RLL:1:jm:251a86

AUTOMATIC RECORDER DATA BY MONTHS

Station A-29 Year 1988

Location Frontage Road - 6.0 miles W. of Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 50.5 % Pickups 35.2 % Commercial 11.8 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1869	2490	2508	2538	2577	2503	2191	2363	2522	93.70	85.30
February	1974	2393	2265	2382	2368	2686	2180	2324	2418	96.11	83.89
March	2153	2698	2645	2718	2754	2873	2532	2632	2733	96.30	95.01
April	2461	2603	2527	2801	2794	3043	2668	2710	2767	97.94	97.83
May	2411	2819	2950	2985	2912	3360	2848	2881	2994	96.23	104.00
June	2749	2910	3012	3050	3047	3266	2834	2986	3056	97.71	107.79
July	2749	3128	3173	3132	3245	3477	2885	3105	3243	95.74	112.09
August	2737	3115	3082	3162	3137	3417	2951	3089	3174	97.32	111.51
September	2285	2949	3006	3039	3110	3425	2828	2970	3121	95.16	107.21
October	2451	2945	2973	3039	3031	3280	2816	2915	3048	95.64	105.23
November	2133	2742	2931	2874	2597	3006	2444	2690	2836	94.85	97.11
December	2030	2530	2597	2663	2737	2934	2449	2577	2705	95.27	93.03
Daily Average for Year	2334	2777	2806	2865	2859	3106	2636	2770	2885	96.01	

RLL:1:lrk:251:e27

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-29
Functional Class Major Collector

Route Billings - Interstate
Traffic Type ~~Frontage Road~~ Frontage

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1962	1268	194	15.3	183	14.4	171	13.5	162	12.8				
1971	1702	228	13.4	182	10.7	175	10.3	172	10.1				
1981	2305	287	12.5	271	11.8	260	11.3	257	11.1				
1982	2398	303	12.6	279	11.6	274	11.4	270	11.3				
1983	2907	564	19.4	438	15.1	418	14.4	403	13.9				
1984	2563	377	14.7	330	12.9	314	12.3	310	12.1				
1985	2808	356	12.7	339	12.1	330	11.8	326	11.6				
1986	2726	398	14.6	324	11.9	316	11.6	313	11.5				
1987	2557	311	12.2	291	11.4	282	11.0	274	10.7				
1988	2770	482	17.4	324	11.7	315	11.4	310	11.2				

R:L:1:jm:251a27

AUTOMATIC RECORDER DATA BY MONTHS

Station A-30
Location I-90 - 1.0 miles W. of Superior Interchange, M.P. 47.2

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 53.6 % Pickups 16.4 % Commercial 19.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2340	2108	2233	2190	2310	2454	2319	2288	2268	100.88	55.70
February	2520	2381	2389	2366	2558	2911	2528	2517	2514	100.12	61.27
March	3296	2954	2882	3019	3282	3663	3175	3170	3147	100.73	77.16
April	3606	3446	3399	3437	3649	4183	3563	3629	3649	99.45	88.34
May	4192	4168	4056	3944	4361	5067	4260	4278	4300	99.49	104.14
June	5871	5472	5401	5371	5805	6146	5796	5687	5634	100.94	138.44
July	6443	5969	5996	5883	6279	7214	6764	6407	6313	101.49	155.96
August	6655	5883	5624	5728	6220	6885	6372	6152	6026	102.09	149.76
September	4838	5081	4706	4577	4898	5603	5215	5006	4998	100.16	121.86
October	4197	3779	3800	3895	4119	4742	4039	4074	4053	100.52	99.17
November	3845	2860	3100	3461	3089	3268	3225	3265	3167	103.09	79.48
December	2197	2648	2827	2880	3029	3339	2690	2823	2966	95.18	68.72
Daily Average for Year	4167	3896	3868	3896	4133	4623	4162	4108	4086	100.54	

RLL:1:1rk:251:e28

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-30

Functional Class Principal Arterial

Route I-90, West of Superior

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1962	1487	362	24.3	320	21.5	307	20.6	302	30.3				
1971	2346	375	16.0	334	14.2	324	13.8	320	13.6				
1981	3411	512	15.0	465	13.6	457	13.4	448	13.1				
1982	3159	525	16.6	478	15.1	457	14.5	445	14.1				
1983	3528	590	16.7	511	14.5	488	13.8	479	13.6				
1984	3715	604	16.3	527	14.2	519	14.0	505	13.6				
1985	3528	576	16.3	521	14.8	499	14.1	489	13.9				
1986	3717	596	16.0	530	14.3	516	13.9	506	13.6				
1987	3985	618	15.5	559	14.0	544	13.7	534	13.4				
1988	4108	643	15.7	588	14.3	562	13.7	547	13.3				

RLL:1:jm:251a28

AUTOMATIC RECORDER DATA BY MONTHS

Station A-31
Location I-94 - 8.0 miles W. of Miles City, M.P. 129.2

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 50.5 % Pickups 24.3 % Commercial 18.6 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1968	1788	1898	2005	2028	2319	2217	2045	2022	101.14	68.20
February	2324	2040	1815	2108	2244	2697	2551	2247	2174	103.36	74.94
March	2817	2343	2303	2487	2721	2843	2848	2611	2535	103.00	87.08
April	2777	2641	2527	2569	2680	3250	2789	2766	2758	100.29	92.25
May	3162	2940	2804	2874	3007	3733	3273	3099	3053	101.51	103.36
June	3852	3598	3672	3677	3872	4132	3830	3803	3789	100.37	126.84
July	3866	3759	3773	3921	3943	4593	4096	4012	4026	99.65	133.81
August	4008	3665	3573	3709	4014	4271	4046	3874	3821	101.39	129.21
September	3162	3254	3064	3173	3339	3850	3472	3348	3359	99.67	111.66
October	3030	2730	2813	2987	3004	3525	3078	3016	2998	100.60	100.59
November	2899	2269	2470	2830	2598	2912	2752	2674	2619	102.10	89.18
December	2088	2219	2338	2444	2666	2979	2494	2485	2556	97.22	82.88
Daily Average for Year	2996	2771	2754	2899	3010	3425	3121	2998	2976	100.74	

RLL:1:lrk:251:e29

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-31

Functional Class Principal Arterials

Route I-94, West of Miles City

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1963	1655	213	12.9	198	12.0	188	11.4	187	11.3				
1971	2065	302	14.6	271	13.1	260	12.6	251	12.2				
1981	2993	379	12.7	350	11.7	339	11.3	331	11.1				
1982	2952	440	14.9	373	12.6	359	12.2	345	11.7				
1983	3012	443	14.7	404	13.4	366	12.2	348	11.6				
1984	2950	721	24.4	360	12.2	345	11.7	334	11.3				
1985	2765	373	13.5	346	12.5	335	12.1	328	11.9				
1986	2541	375	14.8	339	13.3	318	12.5	312	12.3				
1987	2966	410	13.8	366	12.3	351	11.8	343	11.6				
1988	2998	421	14.0	387	12.9	352	11.7	344	11.5				

R:I:1:jm:251a29

AUTOMATIC RECORDER DATA BY MONTHS

Station A-32
Location 25th St. N. between 4th & 5th Avenues - Great Falls

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2272	3476	3604	3695	3673	3572	2959	3284	3602	91.17	85.04
February	2520	3682	3675	3710	3809	4000	3230	3523	3771	93.42	91.23
March	2604	3950	4000	4012	4055	4177	3315	3759	4037	93.11	97.35
April	2708	4105	4295	4358	4265	4554	3702	4007	4326	92.63	103.77
May	2929	3980	4445	4394	4481	4543	3541	4019	4354	92.31	104.08
June	2920	4475	4570	4535	4567	4556	3667	4209	4542	92.67	109.00
July	3031	4019	4475	4584	4653	4743	3660	4132	4506	91.70	107.01
August	2981	4449	4487	4527	4466	4561	3584	4183	4497	93.02	108.32
September	2585	3843	4275	4379	4504	4671	3406	3994	4357	91.67	103.43
October	2760	4278	4332	4234	4219	4440	3498	3922	4299	91.23	101.57
November	2553	3906	4113	4178	3561	4024	3090	3666	3974	92.25	94.94
December	2505	3712	3903	3752	3944	4151	3379	3640	3906	93.19	94.26
Daily Average for Year	2697	3990	4181	4197	4183	4333	3419	3862	4181	88.07	

RLL:1:1rk:251:e30

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-32
Functional Class Minor Arterial

Route 25th St. N. in Ct. Falls
Traffic Type City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1963	4767	659	13.8	579	12.1	559	11.7	546	11.5				
1971	3318	512	15.4	472	14.2	439	13.2	413	12.4				
1981	3510	410	11.7	386	11.0	373	10.6	367	10.5				
1982	3579	1002	28.0	415	11.6	398	11.1	386	10.8				
1983	3706	439	11.9	423	11.4	408	11.0	404	10.9				
1984		Under Construction											
1985	3797	630	16.6	470	12.4	426	11.2	414	10.9				
1986	3854	486	12.6	428	11.1	414	10.7	407	10.6				
1987	3864	461	11.9	418	10.8	409	10.6	402	10.4				
1988	3862	461	11.9	416	10.8	408	10.6	401	10.4				

R.L.:1:jm:251a80

AUTOMATIC RECORDER DATA BY MONTHS

Station A-33
Location 10th Ave. S. between 9th & 10th Sts. - Great Falls

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.5 % Pickups 39.4 % Commercial 1.7 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	21366	27759	29071	30215	30136	31311	28573	28225	29775	94.79	86.14
February	23872	30100	29417	30614	30637	34761	30701	30017	31058	96.65	91.61
March	25749	31899	32318	33075	33617	36748	33818	32513	33462	97.16	99.23
April	25288	32889	33313	34033	33683	38721	33931	33336	34727	95.99	101.74
May	26262	32006	33983	34588	34901	38071	33310	33056	34554	95.66	100.89
June	27256	36166	36103	36405	37213	39589	33629	35302	37069	95.23	107.74
July	27992	33563	36709	37439	37599	40564	33677	35239	37336	94.38	107.55
August	28097	37365	37153	38074	38100	40352	35022	36427	38120	95.56	111.17
September	24646	32217	34461	34675	35319	39051	31877	33445	35330	94.66	102.07
October	24814	33296	33403	33928	33914	37850	32978	32639	34422	94.82	99.61
November	23949	31265	32103	33532	29691	36389	30606	31192	32616	95.63	95.20
December	23346	31135	32373	31317	33333	37156	32127	31799	33261	95.60	97.05
Daily Average for Year	25220	32472	33367	33991	34012	37547	32521	32766	34311	95.50	

RLL:1:1rk:251:e31

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-33

Functional Class Principal Arterial

Route 10th Ave. S. Ct. Falls

Traffic Type Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	23096	2488	10.8	2375	10.3	2296	9.9	2248	9.7				
1971	24183	2563	10.6	2383	9.9	2324	9.6	2292	9.5				
1981	28434	2731	9.6	2657	9.3	2628	9.2	2600	9.1				
1982	28781	2786	9.7	2718	9.4	2677	9.3	2658	9.2				
1983	29621	2820	9.5	2724	9.2	2704	9.1	2684	9.1				
1984	30648	4786	15.6	2872	9.4	2814	9.2	2795	9.1				
1985	30603	3067	10.0	2925	9.6	2869	9.4	2845	9.3				
1986	31290	3068	9.8	2920	9.3	2886	9.2	2863	9.1				
1987	32311	3006	9.3	2948	9.1	2920	9.0	2882	8.9				
1988	32766	3068	9.4	2986	9.1	2966	9.0	2939	8.9				

R:l:1:jm:251a81

AUTOMATIC RECORDER DATA BY MONTHS

Station A-34 Year 1988

Location U.S. 12 - 5.0 miles NW of Forsyth, M.P. 265

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 39.6 % Pickups 36.9 % Commercial 19.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	147	206	221	219	233	205	176	199	216	92.13	73.59
February	162	204	183	226	219	220	152	195	210	92.86	72.11
March	227	256	271	287	291	266	212	261	275	94.91	96.52
April	257	304	283	344	348	340	297	311	325	95.69	115.01
May	317	312	323	307	311	336	273	312	318	98.11	115.38
June	265	318	312	322	343	344	237	307	328	93.60	113.53
July	287	327	343	340	345	342	241	315	340	92.65	116.49
August	295	325	302	310	310	307	258	302	311	97.11	111.68
September	236	266	290	278	307	309	241	277	292	94.86	102.43
October	343	322	315	324	346	380	324	336	337	99.70	124.25
November	243	235	246	270	220	240	226	241	244	98.77	89.12
December	142	189	200	202	212	234	142	189	209	90.43	69.89
Daily Average for Year	243	272	274	286	290	294	232	270	284	95.07	

RLL:1:1rk:251:e32

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-34

Functional Class Minor Arterial

Route U.S. 12, NW of Forsyth

Traffic Type ~~Primary~~ ~~Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	299	63	21.1	53	17.7	50	16.7	48	16.1				
1971	263	57	21.7	47	17.9	45	17.1	42	16.0				
1981	255	59	23.1	47	18.4	45	17.6	43	16.9				
1982	245	67	27.3	55	22.4	50	20.4	47	19.2				
1983	255	76	29.8	52	20.4	46	18.0	43	16.9				
1984	241	64	26.6	45	18.7	40	16.6	39	16.2				
1985	220	87	39.5	40	18.2	38	17.3	36	16.4				
1986	265	62	23.4	52	19.6	48	18.1	46	17.4				
1987	293	55	18.8	45	15.4	42	14.3	41	13.9				
1988	270	50	18.5	42	15.6	39	14.4	39	14.4				

R.L:1:jm:251a82

AUTOMATIC RECORDER DATA BY MONTHS

Station A-35
Location FAS 210 - 3.0 miles SE of Bonner

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.1 % Pickups 35.5 % Commercial 7.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	442	617	616	637	650	646	574	593	634	93.53	85.00
February	519	649	632	686	670	727	617	643	672	95.68	92.16
March	534	676	675	703	714	765	680	680	705	96.45	97.47
April	620	733	765	755	762	808	751	744	766	97.13	106.64
May	599	728	742	773	768	815	692	727	763	95.28	104.21
June	630	730	744	770	773	824	712	742	768	96.61	106.35
July	572	703	751	709	746	759	669	698	735	94.97	100.05
August	654	755	781	802	764	819	696	756	784	96.43	108.36
September	616	678	745	759	757	829	644	723	757	95.51	103.63
October	624	750	764	742	753	867	749	746	774	96.38	106.93
November	566	693	753	752	677	741	623	691	726	95.18	99.04
December	488	589	636	651	672	714	624	629	656	95.88	90.16
Daily Average for Year	572	692	717	728	726	776	669	698	728	95.88	

RLL:1:1rk:251:e33

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-35
Functional Class Major Collector

Route FAS 210, 3.0 Mi. SE of Bonner
Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	166	41	24.7	31	18.7	28	16.9	27	16.3				
1971	328	52	15.9	44	13.4	42	12.8	41	12.5				
1981	626	90	14.4	73	11.7	71	11.3	69	11.0				
1982	626	136	21.7	100	16.0	87	13.9	80	12.8				
1983	655	95	14.5	80	12.2	77	11.8	75	11.5				
1984	696	98	14.1	87	12.5	84	12.1	82	11.8				
1985	709	98	13.8	90	12.7	86	12.1	82	11.6				
1986	731	117	16.0	91	12.5	86	11.8	83	11.4				
1987	727	108	14.9	87	12.0	84	11.6	82	11.3				
1988	698	91	13.0	81	11.6	79	11.3	77	11.0				

RLL:1:jm:251a13

AUTOMATIC RECORDER DATA BY MONTHS

Station A-36
Location U.S. 2 - 0.5 miles W. of Browning, M.P. 221.2

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.00 % Pickups 38.0 % Commercial 7.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1009	946	929	960	1006	1181	982	1007	1013	99.41	56.14
February	1318	1021	980	1029	1096	1347	1174	1134	1091	103.94	63.21
March	1323	1221	1146	1194	1345	1570	1309	1294	1286	100.62	72.13
April	1681	1403	1409	1438	1499	1864	1579	1565	1539	101.69	87.24
May	2364	2026	1737	1706	1858	2292	2049	2008	1920	104.58	111.93
June	2663	2246	2153	2256	2327	2677	2272	2365	2328	101.59	131.84
July	3585	3292	2757	2701	2892	3593	3380	3205	3073	104.30	178.66
August	3056	2666	2443	2538	2630	3107	2855	2736	2660	102.86	152.52
September	2301	2427	1841	1817	2015	2535	2491	2208	2140	103.18	123.08
October	1703	1569	1503	1499	1598	1893	1653	1632	1610	101.37	90.97
November	1224	1086	1193	1334	1224	1485	1173	1247	1264	98.66	69.51
December	1009	1162	1067	1033	1149	1326	1088	1126	1156	97.40	62.77
Daily Average for Year	1936	1755	1597	1625	1720	2073	1834	1794	1757	102.11	

RLL:1:1rk:251:e34

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-36

Functional Class Principal Arterial

Route U.S. 2, West of Browning

Traffic Type ~~Primary~~ Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1966	904	231	25.6	193	21.3	174	19.2	168	18.6				
1971	1152	386	33.5	279	24.2	236	20.5	220	19.1				
1981	1504	287	19.1	256	17.0	244	16.2	241	16.0				
1982	1480	362	24.5	275	18.6	262	17.7	247	16.7				
1983	1597	294	18.4	264	16.5	252	15.8	243	15.2				
1984	1525	341	22.4	257	16.9	246	16.1	239	15.7				
1985	1488	287	19.3	257	17.3	245	16.5	238	16.0				
1986	1500	378	25.2	278	18.5	256	17.1	241	16.1				
1987	1701	512	30.1	410	24.1	374	22.0	333	19.6				
1988	1794	558	31.1	418	23.3	373	20.8	343	19.1				

R:L:1:jm:251a84

AUTOMATIC RECORDER DATA BY MONTHS

Station A-37
Location Orange Street Bridge - Missoula

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	8512	16847	16916	16950	16937	16550	12131	14728	16826	87.53	93.90
February	9378	15352	16271	16272	16603	17896	12390	14897	16425	90.70	94.98
March	9391	16585	16552	16693	17022	18280	12800	15469	16991	91.04	98.62
April	9862	16813	16775	16958	17132	19071	13520	15770	17432	90.47	100.54
May	10639	16064	17918	17823	18213	19837	13504	16149	17882	90.31	102.96
June	11060	18492	17841	18031	17983	19561	13947	16789	18347	91.51	107.04
July	10544	15577	17677	17797	17939	19476	13384	15902	17778	89.45	101.38
August	10651	17782	17567	17665	17690	19145	13248	16387	17931	91.39	104.48
September	9715	15547	17544	17487	17618	19209	13519	15979	17566	90.97	101.87
October	9836	16980	17188	17252	17413	19373	13820	15745	17610	89.41	100.38
November	9745	17001	16998	17340	14885	17723	13083	15381	16824	91.42	98.06
December	8679	15056	16589	16265	16951	18201	12724	15024	16700	89.96	95.79
Daily Average for Year	9834	16508	17153	17211	17199	18694	13173	15685	17359	90.36	

RLL:1:1rk:251:e35

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-37

Functional Class Principal Arterial

Route Orange St. Bridge - Missoula

Traffic Type Urban & City Street

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1966	11701	1418	12.1	1347	11.5	1318	11.3	1296	11.1				
1971	13679	1747	12.8	1678	12.3	1605	11.7	1570	11.5				
1981	15789	1814	11.5	1723	10.9	1700	10.8	1685	10.7				
1982	15626	2145	13.7	1951	12.5	1860	11.9	1823	11.7				
1983	16553	1918	11.6	1865	11.3	1829	11.1	1805	10.9				
1984	16664	2004	12.0	1857	11.1	1813	10.9	1779	10.7				
1985	16524	2434	14.7	1902	11.5	1838	11.1	1793	10.9				
1986	16838	1956	11.6	1847	11.0	1816	10.8	1800	10.7				
1987	16525	2096	12.7	1811	11.0	1769	10.7	1742	10.5				
1988	15685	1700	10.8	1644	10.5	1609	10.3	1592	10.1				

RLL:1:jm:251a85

AUTOMATIC RECORDER DATA BY MONTHS

Station A-38
Location Mont. 200 - 1.0 mile W. of Jordon, M.P. 211

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 41.6 % Pickups 37.7 % Commercial 16.2 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	191	202	213	224	245	269	176	217	232	93.53	57.72
February	228	224	198	196	219	282	206	222	224	99.11	59.06
March	257	256	254	274	304	295	222	267	277	96.39	71.03
April	332	318	314	310	338	387	289	328	336	97.62	87.25
May	344	368	364	393	372	481	324	376	393	95.67	100.02
June	414	432	433	452	483	547	334	444	469	94.67	118.11
July	460	504	473	455	483	565	453	485	499	97.19	129.02
August	477	477	448	461	492	556	460	480	483	99.38	127.69
September	348	430	407	387	449	525	403	426	444	95.95	113.32
October	534	510	480	526	555	656	576	547	544	100.55	145.51
November	451	353	382	433	373	432	351	397	395	100.51	105.61
December	299	318	310	313	337	378	286	322	334	96.41	85.66
Daily Average for Year	361	366	356	369	388	448	340	376	386	97.41	

RLL:1:1rk:251:e36

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-38

Functional Class Principal Arterial

Route Mont. 200, West of Jordan

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1967	330	76	23.0	61	18.5	59	17.9	55	16.7				
1971	331	73	22.1	59	17.8	56	16.9	54	16.3				
1981	376	80	21.3	63	16.8	59	15.7	57	15.2				
1982	327	66	20.2	56	17.1	53	16.2	52	15.9				
1983	358	70	19.6	60	16.8	56	15.6	54	15.1				
1984	368	69	18.8	60	16.3	56	15.2	55	14.9				
1985	344	71	20.6	57	16.6	55	16.0	53	15.4				
1986	360	80	25.0	60	16.7	58	16.1	55	15.3				
1987	362	81	22.4	61	16.9	55	15.2	53	14.6				
1988	376	76	20.2	66	17.6	57	15.2	56	14.9				

R:L:1:jm:251a86

AUTOMATIC RECORDER DATA BY MONTHS

Station A-39
Location U.S. 89 - 0.5 miles N. of Dupuyer, M.P. 75.9

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.7 % Pickups 33.6 % Commercial 7.7 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	226	212	218	209	200	221	226	217	212	102.36	47.06
February	244	201	202	216	221	267	265	230	220	104.55	49.88
March	247	227	236	256	284	307	330	268	262	102.29	58.12
April	318	295	324	306	329	366	341	327	326	100.31	70.92
May	433	379	362	327	342	445	435	389	371	104.85	84.37
June	676	642	636	587	598	554	622	615	602	102.16	133.38
July	1073	1010	936	930	963	1008	980	989	971	101.85	214.49
August	932	878	846	847	857	939	900	883	871	101.38	191.51
September	565	606	542	548	578	674	632	594	593	100.17	128.83
October	429	410	411	400	396	455	455	423	414	102.17	91.74
November	352	279	314	327	323	362	343	328	321	102.18	71.14
December	251	276	254	250	262	313	275	270	273	98.90	58.56
Daily Average for Year	479	452	440	434	446	493	484	461	453	101.77	

RLL:1:1rk:251:e37

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-39
Functional Class Minor Arterial

Route U.S. 89, North of Dupuyer
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1967	443	211	47.6	126	28.4	113	25.5	108	24.4				
1971	507	146	28.8	132	26.0	126	24.9	122	24.1				
1981	527	130	24.7	116	22.0	108	20.5	106	20.1				
1982	517	220	42.6	132	25.5	112	21.7	106	20.5				
1983	537	123	22.9	117	21.8	111	20.7	107	19.9				
1984	511	124	24.3	108	21.1	105	20.6	102	20.0				
1985	471	110	23.4	100	21.2	97	20.6	95	20.2				
1986	517	123	23.8	106	20.5	101	19.5	99	19.2				
1987	484	126	26.0	106	21.9	101	20.9	98	20.2				
1988	461	118	25.6	109	23.6	105	22.8	101	21.9				

R:I:1:jm:251a87

AUTOMATIC RECORDER DATA BY MONTHS

Station A-40 Year 1988

Location Frontage Road - 2.5 miles N. of Wolf Creek

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	84	37	40	49	45	56	70	56	46	121.74	22.93
February	178	60	48	52	62	70	126	84	58	144.83	34.39
March	177	64	72	85	81	94	183	105	79	132.91	42.99
April	297	132	137	159	134	185	335	201	151	133.11	82.29
May	547	257	189	215	228	319	480	320	240	133.33	131.01
June	653	298	332	353	396	429	618	435	363	119.83	178.10
July	803	462	385	401	427	492	670	533	436	122.25	218.22
August	720	381	356	358	392	436	576	451	382	118.06	184.65
September	367	319	213	227	229	286	370	285	255	111.76	116.68
October	402	192	179	195	175	229	332	250	194	128.87	102.36
November	181	100	109	116	124	147	164	133	119	111.76	54.45
December	83	74	72	66	76	83	88	78	75	104.00	31.93
Daily Average for Year	374	198	178	190	197	236	334	244	200	122.00	

RLL:1:lrk:251:e38

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-40
Functional Class Major Collector

Route Wolf Creek Frontage Road
Traffic Type Frontage Road - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1968	110	55	50.0	42	38.2	39	35.5	36	32.7				
1971	137	55	40.1	41	29.9	39	28.5	36	26.3				
1981	188	85	45.2	63	33.5	57	30.3	55	29.3				
1982	190	85	44.7	67	35.3	64	33.7	61	32.1				
1983	209	89	42.6	71	34.0	65	31.1	63	30.1				
1984	223	112	50.2	75	33.6	69	30.9	67	30.0				
1985	213	94	44.1	78	36.6	71	33.3	67	31.5				
1986	217	86	39.6	79	36.4	74	34.1	70	32.3				
1987	232	98	42.2	78	33.6	72	31.0	67	28.9				
1988	244	102	41.8	83	34.0	78	32.0	75	30.7				

R.L:1:jm:251a88

AUTOMATIC RECORDER DATA BY MONTHS

Station A-41
Location I-90 - 7.5 miles E. of Livingston, M.P. 363.5

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.0 % Pickups 23.8 % Commercial 21.2 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	4461	3098	3222	3484	3679	4223	4329	3839	3574	107.41	69.06
February	4731	3814	3409	3628	3860	4892	4661	4131	3915	105.52	74.31
March	5850	4182	4107	4408	4803	5397	5284	4821	4561	105.70	86.72
April	6031	4535	4492	4799	4885	5981	5357	5189	4988	104.03	93.34
May	6085	5395	4925	5074	5332	6519	5766	5574	5423	102.78	100.27
June	7539	6668	6627	6749	7108	7746	7279	7091	6975	101.66	127.56
July	7577	7018	6700	6755	7024	8392	7592	7348	7235	101.56	132.18
August	8681	7096	7129	7192	7749	8984	8377	7814	7566	103.28	140.56
September	6519	6200	5599	5919	6099	7345	7061	6414	6277	102.18	115.38
October	6119	4883	4856	5261	5453	6792	6170	5655	5422	104.30	101.73
November	5849	3742	4100	4755	4470	5261	4958	4713	4462	105.63	84.78
December	3541	3823	3896	3975	4298	4953	4107	4120	4229	97.42	74.11
Daily Average for Year	6082	5038	4922	5167	5397	6374	5912	5559	5386	103.21	

RLL:1:1rk:251:e39

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-41

Functional Class Principal Arterial

Route I-90, East of Livingston

Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1969	2511	418	16.6	375	14.9	359	14.3	348	13.9				
1971	3030	562	18.5	437	14.4	407	13.4	397	13.1				
1981	4490	689	15.3	589	13.1	559	12.4	547	12.2				
1982	4442	716	16.1	614	13.8	589	13.3	574	12.9				
1983	4622	799	17.3	655	14.2	600	13.0	583	12.6				
1984	4755	742	15.6	652	13.7	622	13.1	599	12.6				
1985	4767	747	15.7	648	13.6	616	12.9	596	12.5				
1986	4911	826	16.8	714	14.5	668	13.6	648	13.2				
1987	5384	866	16.1	748	13.9	702	13.0	686	12.7				
1988	5559	942	16.9	760	13.7	729	13.1	705	12.7				

R:L:1:jm:251a89

AUTOMATIC RECORDER DATA BY MONTHS

Station A-42
Location 26th St. N. between 4th & 5th Aves. - Great Falls

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 61.7 % Pickups 35.7 % Commercial 2.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1833	2749	2814	2891	2844	2825	2425	2600	2825	92.04	86.31
February	2228	2933	2849	2881	2975	3115	2692	2814	2950	95.39	93.41
March	2169	3019	3078	3112	3141	3296	2809	2962	3127	94.72	98.32
April	2191	3025	3333	3376	3357	3530	3040	3157	3368	93.74	104.80
May	2355	3145	3450	3522	3560	3703	2835	3201	3460	92.51	106.26
June	2347	3443	3472	3473	3573	3627	2987	3291	3518	93.55	109.24
July	2443	3155	3467	3706	3589	3657	2871	3243	3521	92.10	107.65
August	2343	3332	3349	3377	3395	3466	2834	3175	3380	93.93	105.39
September	1966	2892	3113	3203	3318	3438	2698	2976	3210	92.71	98.79
October	2151	3261	3285	3158	3226	3349	2827	3009	3256	92.41	99.88
November	2006	3066	3179	3222	2793	3133	2539	2872	3090	92.94	95.34
December	1993	2913	3045	2895	3054	3178	2764	2850	3026	94.18	94.61
Daily Average for Year	2169	3078	3203	3235	3235	3360	2777	3013	3228	93.34	

RLL:1:1rk:251:e40

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-42
Functional Class Minor Arterial

Route 26th St. N. in Ct. Falls
Traffic Type City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1972	2424	433	17.9	299	12.3	282	11.6	276	11.4				
1981	2852	392	13.7	325	11.4	315	11.0	310	10.9				
1982	2860	872	30.5	338	11.8	329	11.5	322	11.3				
1983	3059	402	13.1	366	12.0	354	11.6	348	11.4				
1984	3173	431	13.6	385	12.1	374	11.8	362	11.4				
1985	3130	522	16.7	407	13.0	394	12.6	385	12.8				
1986	3135	469	15.0	375	12.0	365	11.6	359	11.5				
1987	3087	393	12.7	365	11.8	351	11.4	346	11.2				
1988	3013	426	14.1	373	12.4	352	11.7	344	11.4				

R_L:1:jm:251a+0

AUTOMATIC RECORDER DATA BY MONTHS

Station A-43
Location U.S. 191 - 1.5 miles N. of Mont. 64 (Big Sky), M.P. 49.8

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.6 % Pickups 36.9 % Commercial 14.3 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1555	1145	1196	1259	1359	1623	1784	1440	1331	108.19	72.10
February	2067	1553	1319	1477	1609	1967	2033	1712	1583	108.15	85.72
March	2057	1643	1628	1760	1899	2132	2257	1896	1806	104.98	94.93
April	1367	1225	1358	1297	1385	1715	1595	1436	1411	101.77	71.90
May	1655	1547	1510	1519	1589	1810	1645	1607	1589	101.13	80.46
June	2529	2252	2345	2349	2387	2606	2541	2426	2386	101.68	121.47
July	3100	2907	2903	3002	2964	3275	3216	3067	3023	101.46	153.57
August	3110	2842	2859	2944	3045	3312	3208	3030	2985	101.51	151.72
September	2073	2149	2090	2201	2291	2480	2175	2220	2255	98.45	111.16
October	2036	1809	1805	1835	1875	2158	2058	1942	1892	102.64	97.24
November	1566	1375	1506	1610	1408	1778	1686	1561	1537	101.56	78.16
December	1299	1527	1561	1601	1706	2016	1588	1629	1698	95.94	81.57
Daily Average for Year	2035	1831	1840	1905	1960	2239	2149	1997	1958	101.99	

RLL:1:lrk:251:e41

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-43
Functional Class Principal Arterial

Route U.S. 191, 1.5 Mi. No. of Mont. 64 (Big Sky)
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1972	1240	220	17.7	201	16.2	192	15.5	188	15.2				
1981	1483	259	17.5	231	15.6	219	14.8	215	14.5				
1982	1492	302	20.2	246	16.5	235	15.8	227	15.2				
1983	1677	277	16.5	247	14.7	238	14.2	235	14.0				
1984	1692	345	20.4	275	16.3	253	15.0	246	14.5				
1985	1780	321	18.0	268	15.1	258	14.5	250	14.0				
1986	1772	305	17.2	267	15.1	256	14.5	248	14.0				
1987	1900	319	16.8	267	14.1	264	13.9	257	13.5				
1988	1997	299	15.0	274	13.7	267	13.4	262	13.1				

R:L:1:jm:251a41

AUTOMATIC RECORDER DATA BY MONTHS

Station A-44
Location Big Mountain Road

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2341	1178	1224	1327	1602	2424	3093	1955	1592	122.80	183.78
February	3061	1549	1402	1710	2201	2862	3562	2308	1926	119.83	216.97
March	2239	1263	1292	1539	1655	2073	3178	1853	1555	119.16	174.20
April	1033	729	665	684	601	1050	1152	862	760	113.42	81.03
May	232	195	204	218	235	268	304	234	222	105.41	22.00
June	356	363	401	352	422	394	358	378	386	97.93	35.53
July	946	791	790	802	783	856	1014	863	807	106.94	81.13
August	901	819	821	835	918	972	1016	890	867	102.65	83.67
September	520	433	414	422	461	484	564	471	446	105.61	44.28
October	299	373	360	395	360	362	295	347	370	93.78	32.62
November	505	573	481	542	388	682	641	542	531	102.07	50.95
December	2056	1769	1814	2085	1873	2107	2624	2062	1935	106.56	193.84
Daily Average for Year	1207	836	822	909	958	1211	1483	1064	950	112.00	

RLL:1:1rk:251:e42

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-44
Functional Class Major Collector

Route Big Mountain Ski Road
Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1974	575	478	83.1	371	64.5	282	49.0	254	44.1				
1981	673	575	85.4	400	59.4	321	47.7	282	41.9				
1982			Out of Service										
1983	1037	681	65.7	552	53.2	482	46.5	424	40.9				
1984	1082	764	70.6	666	61.6	565	52.2	502	46.4				
1985				Removed									
1986	947	840	88.7	587	62.0	550	58.1	520	54.9				
1987	927	605	65.3	495	53.4	467	50.4	445	48.0				
1988	1064	583	54.8	524	49.2	463	43.5	432	40.6				

RLL:1:jm:251a:2

AUTOMATIC RECORDER DATA BY MONTHS

Station A-45
Location Hungry Horse Dam Road

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	63	24	24	28	26	29	42	35	26	134.62	12.30
February	154	39	24	20	31	32	92	55	30	183.33	19.34
March	498	98	91	106	113	129	316	184	107	171.96	64.69
April	585	132	146	168	176	205	391	260	167	155.69	91.42
May	758	265	191	191	209	238	451	336	220	152.73	118.14
June	670	356	344	326	370	304	492	405	340	119.12	142.40
July	970	720	668	753	706	625	824	757	691	109.55	266.16
August	753	549	572	554	587	570	652	601	565	106.37	211.31
September	469	326	269	273	302	289	378	327	292	111.99	114.97
October	433	198	225	200	208	211	394	274	208	131.73	96.34
November	203	83	98	87	110	123	209	128	99	129.29	45.00
December	98	48	35	33	28	31	84	51	35	145.71	17.93
Daily Average for Year	471	237	224	228	239	232	360	284	232	122.41	

RLL:1:1rk:251:e43

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-45
Functional Class Minor Collector

Route Hungry Horse Dam Road
Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1976	434	210	48.4	148	33.4	138	31.8	131	30.2				
1981	333	167	50.2	132	39.6	121	36.3	112	33.6				
1982	295	165	55.9	134	45.4	124	42.0	116	39.3				
1983	295	169	57.3	135	45.8	123	41.7	115	39.0				
1984	272	146	53.7	124	45.6	112	41.2	107	39.3				
1985	273	147	53.8	120	43.9	111	40.7	109	39.9				
1986	252	139	55.2	121	48.0	115	45.6	108	42.9				
1987	269	148	55.0	128	47.6	117	43.5	110	40.9				
1988	284	148	52.1	129	45.4	108	38.0	100	35.2				

RLL:1:jm:251a43

AUTOMATIC RECORDER DATA BY MONTHS

Station A-46
Location U.S. 2 - 9.0 miles W. of Havre, M.P. 372.9

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 50.5 % Pickups 41.5 % Commercial 5.5 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	758	894	993	983	970	1039	891	929	979	94.89	68.09
February	895	979	953	1026	1064	1240	1162	1043	1049	99.43	76.44
March	946	1100	1139	1169	1161	1332	1221	1153	1177	97.96	84.50
April	1136	1277	1220	1234	1257	1423	1273	1266	1289	98.22	92.79
May	1401	1375	1402	1391	1449	1666	1428	1439	1450	99.24	105.47
June	1840	1713	1807	1815	1893	1932	1733	1821	1834	99.29	133.46
July	1902	2111	2076	2029	2093	2204	1820	2028	2108	96.20	148.63
August	1591	1781	1816	1854	1805	1863	1645	1770	1823	97.09	129.73
September	1207	1445	1378	1421	1414	1584	1436	1418	1453	97.59	103.93
October	1039	1223	1229	1280	1309	1488	1232	1248	1302	95.85	91.47
November	1018	1121	1135	1206	1142	1353	1139	1160	1189	97.56	85.02
December	780	1096	1140	1151	1186	1275	1011	1098	1175	93.45	80.47
Daily Average for Year	1209	1343	1360	1380	1395	1533	1333	1364	1402	97.29	

RLL:1:1rk:251:e44

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-46
Functional Class Principal Arterial

Route U.S. 2, West of Havre
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	1318	233	17.7	197	14.9	178	13.5	173	13.1				
1981	1427	236	16.5	201	14.1	189	13.2	182	12.8				
1982	1346	252	18.7	194	14.4	187	13.9	183	13.6				
1983	1382	222	16.1	200	14.5	194	14.0	189	13.7				
1984	1326	191	14.4	171	12.9	165	12.4	160	12.1				
1985	1252	201	16.1	177	14.1	167	13.3	164	13.1				
1986	1293	198	15.3	183	14.2	175	13.5	172	13.3				
1987	1329	194	14.6	182	13.7	174	13.1	170	12.8				
1988	1364	232	17.0	190	13.9	181	13.3	177	13.0				

R_L:1:jm:251a44

AUTOMATIC RECORDER DATA BY MONTHS

Station A-47
Location U.S. 93 - 1.0 miles N. of Florence, M.P. 73

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 61.3 % Pickups 28.8 % Commercial 7.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3237	4129	4409	4496	4524	4621	4323	4230	4445	95.16	77.37
February	4051	4560	4676	4657	4774	5345	5035	4722	4791	98.56	86.37
March	4342	4825	5071	5145	5293	5741	5480	5132	5209	98.52	93.87
April	4714	5360	5375	5435	5853	6236	5032	5443	5680	95.83	99.56
May	5131	5420	5810	5660	5809	6488	5770	5700	5817	97.99	104.26
June	5268	5922	6049	6076	6248	6626	6134	6054	6182	97.93	110.74
July	5606	6096	6499	6495	6587	6965	5995	6308	6549	96.32	115.38
August	5642	6292	6379	6463	6592	6956	6315	6377	6516	97.87	116.65
September	5124	5579	5901	5921	6064	6691	6223	5959	6063	98.28	109.00
October	4786	5501	5668	5765	5876	6352	5785	5645	5817	97.04	103.26
November	4433	4908	5335	5401	5170	5769	4944	5152	5321	96.82	94.24
December	3871	4662	5003	4868	5205	5486	4851	4882	5072	96.25	89.30
Daily Average for Year	4684	5271	5515	5532	5666	6106	5491	5467	5622	97.24	

RLL:1:1rk:251:e45

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-47
Functional Class Principal Arterial

Route U.S. 93, N. of Florence
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	4436	511	11.5	488	11.0	475	10.7	465	10.5				
1981	4491	558	12.4	489	10.9	481	10.7	471	10.5				
1982	4357	516	11.8	474	10.9	468	10.7	460	10.5				
1983	4838	587	12.1	545	11.3	529	10.9	521	10.6				
1984	5000	575	11.5	537	10.7	524	10.5	515	10.8				
1985	5039	574	11.4	543	10.8	526	10.4	519	10.3				
1986	5047	625	12.4	543	10.8	533	10.6	526	10.4				
1987	5272	593	11.2	556	10.5	548	10.4	541	10.3				
1988	5467	670	12.3	585	10.7	570	10.4	559	10.2				

R.L:1:jm:251a45

AUTOMATIC RECORDER DATA BY MONTHS

Station A-48
Location U.S. 287 - 6.7 miles W. of Jct. U.S. 191 (Hebgen Dam), M.P. 6.9

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 40.9 % Pickups 36.3 % Commercial 7.0 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	59	37	41	38	45	58	61	49	44	111.36	13.42
February	108	57	54	57	69	79	95	74	63	117.46	20.27
March	44	33	31	41	47	71	62	46	44	104.55	12.60
April	162	66	91	104	98	115	141	112	96	116.67	30.68
May	465	287	255	261	248	360	485	337	281	119.93	92.31
June	884	747	761	694	723	765	841	769	735	104.63	210.64
July	1378	1260	1217	1157	1125	1193	1316	1241	1190	104.29	339.92
August	958	829	841	879	862	895	919	880	860	102.33	241.04
September	543	400	330	355	374	442	570	429	383	112.01	117.51
October	379	207	235	205	238	256	337	269	227	118.50	73.68
November	158	96	116	123	140	185	203	144	131	109.92	39.44
December	28	30	32	25	32	34	37	31	31	100.00	8.49
Daily Average for Year	431	337	334	328	333	371	422	365	340	107.35	

RLL:1:1rk:251:e46

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-48
Functional Class Minor Arterial

Route U.S. 287, E. of Hebgen Dam
Traffic Type ~~Primary~~ Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	312	128	41.0	113	36.2	103	33.0	102	32.7				
1981	373	155	41.6	134	35.9	125	33.5	121	32.4				
1982	373	159	42.6	146	39.1	139	37.3	133	35.7				
1983	382	175	45.8	138	36.1	131	34.3	128	33.5				
1984	373	156	41.8	136	36.5	130	34.9	128	34.3				
1985	366	147	40.2	133	36.3	123	33.6	120	32.8				
1986	371	163	43.9	136	36.7	126	34.0	121	32.6				
1987	375	226	60.3	122	32.5	118	31.5	116	30.9				
1988	365	158	43.3	136	37.3	123	33.7	119	32.6				

R.L:1:jm:251a46

AUTOMATIC RECORDER DATA BY MONTHS

Station A-49
Location Mont. 39 - 0.5 miles S. of I-94, M.P. 50.7

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 51.1 % Pickups 34.8 % Commercial 11.4 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	468	715	741	746	797	806	716	708	763	92.79	77.38
February	550	756	714	690	767	881	744	730	761	95.93	79.79
March	590	766	834	810	871	895	846	805	836	96.29	87.99
April	731	904	951	920	1009	1082	868	927	978	94.79	101.32
May	767	1081	1213	1181	1234	1316	1108	1118	1200	93.17	122.19
June	742	1080	1091	1104	1193	1229	888	1054	1140	92.46	115.20
July	712	987	1115	1097	1148	1233	852	1012	1121	90.28	110.61
August	747	1089	1062	1007	1073	1134	888	1005	1070	93.93	109.85
September	613	900	987	910	1006	1137	975	942	995	94.67	102.96
October	654	955	1019	955	1061	1128	859	935	1020	91.67	102.20
November	625	943	936	993	920	1001	805	894	959	93.22	97.71
December	532	820	889	857	955	1069	760	849	927	91.59	92.80
Daily Average for Year	644	916	963	939	1020	1076	859	915	981	93.27	

RLL:1:lrk:251:e47

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station ~~A-49~~

Functional Class Minor Arterial

Route Mont. 39, Just of S. of I-94

Traffic Type ~~Primary Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	1186	303	25.5	256	21.6	237	20.0	216	18.2				
1981	1394	457	32.8	347	24.9	291	20.9	256	18.4				
1982	1752	495	28.3	448	25.6	410	23.4	371	21.2				
1983	1705	404	23.7	390	22.9	368	21.6	344	20.2				
1984	1166	263	22.6	237	20.3	214	18.4	200	17.2				
1985	941	177	18.8	152	16.2	141	15.0	134	14.2				
1986	881	174	19.8	138	15.7	133	15.1	128	14.5				
1987	904	150	16.6	136	15.0	127	14.0	122	13.5				
1988	915	163	17.8	144	15.7	139	15.2	129	14.1				

RLL:1:jm:25147

AUTOMATIC RECORDER DATA BY MONTHS

Station A-50
Location Main St. between Milton Rd. & Hansen Lane - Billings

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	17122	25775	25957	26475	26417	26554	24101	24432	26251	93.07	84.98
February	19962	26018	25760	26380	26000	30163	26892	25887	26824	96.51	90.05
March	21067	28866	28669	28662	29401	31812	28975	28275	29407	96.15	98.35
April	20949	28222	29101	29080	29372	33702	29461	28757	30077	95.61	100.03
May	22497	29582	32050	31417	31654	36344	29753	30236	32083	94.24	105.17
June	24481	33095	32500	33010	33323	35964	30739	31959	33541	95.28	111.17
July	22661	29399	32709	32061	32203	35340	28549	30266	32485	93.17	105.28
August	23924	32307	31725	31954	32201	34971	30043	31112	32549	95.59	108.22
September	22088	27369	30359	30123	30743	34533	29760	29506	30808	95.77	102.63
October	21849	29942	30130	30422	30594	34198	29525	29289	31004	94.47	101.88
November	20373	28956	29283	29606	25871	31087	27376	27636	29005	95.28	96.13
December	19681	27098	27852	27775	29501	32383	27507	27631	29105	94.94	96.11
Daily Average for Year	21388	28886	29675	29747	29773	33088	28557	28749	30262	95.00	

RLL:1:1rk:251:e48

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-50

Functional Class Principal Arterial

Route Main Street - Billings

Traffic Type Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	25085	2468	9.8	2400	9.6	2359	9.4	2333	9.3				
1982	25471	2635	10.3	2547	10.0	2498	9.8	2469	9.7				
1983	26795	2880	10.8	2747	10.3	2701	10.1	2638	9.9				
1984	27925	2889	10.4	2772	9.9	2732	9.8	2682	9.6				
1985	27711	3124	11.3	3003	10.8	2905	10.5	2866	10.3				
1986	28780	3051	10.6	2982	10.4	2932	10.2	2901	10.1				
1987	28262	3034	10.7	2802	9.9	2744	9.7	2729	9.6				
1988	28749	3255	11.3	2894	10.1	2841	9.9	2797	9.7				

RLL:1:jm:251a&8

AUTOMATIC RECORDER DATA BY MONTHS

Station A-51
Location Broadwater between 22nd St. & Gay Place - Billings

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 73.6 % Pickups 23.4 % Commercial 2.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	9487	13158	12951	13149	13287	13258	12948	12537	13165	95.23	91.41
February	10331	12695	12261	12724	12851	14427	13007	12617	12977	97.23	92.00
March	10641	13321	13424	13637	13761	14924	13877	13392	13787	97.13	97.65
April	10376	13170	13657	13710	13645	15762	14524	13655	14073	97.03	99.57
May	10829	13489	14751	14477	14528	15851	13894	13882	14574	95.25	101.22
June	10814	14931	14826	15198	15347	16425	14010	14558	15339	94.91	106.15
July	10177	12916	14410	14628	14520	16012	12900	13591	14569	93.29	99.10
August	10810	14521	14439	14463	14594	15745	13825	14097	14716	95.79	102.79
September	10018	12836	14439	14237	14402	16288	13625	13802	14523	95.04	100.64
October	10595	13949	13936	14181	14262	16002	14314	13801	14442	95.56	100.63
November	10673	14287	14621	14946	13009	16327	14368	14083	14651	96.12	102.69
December	11275	14154	14477	14620	15103	16706	14831	14558	15093	96.46	106.15
Daily Average for Year	10502	13619	14016	14164	14109	15644	13844	13714	14326	95.73	

RLL:1:1rk:251:e49

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-51
Functional Class Minor Arterial

Route Broadwater Ave. - Billings
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	13058	1562	12.0	1415	10.8	1363	10.4	1320	10.1				
1982	13252	1504	11.3	1423	10.7	1397	10.5	1383	10.4				
1983	13579	1490	11.0	1443	10.6	1421	10.5	1402	10.3				
1984	13579	1560	11.5	1447	10.7	1404	10.3	1393	10.3				
1985	14339	1575	11.0	1500	10.5	1476	10.3	1451	10.1				
1986	14243	1540	10.8	1464	10.3	1438	10.1	1417	10.0				
1987	13850	1472	10.6	1409	10.2	1385	10.0	1366	9.9				
1988	13714	1543	11.3	1471	10.7	1412	10.3	1384	10.1				

RLL:1:jm:251a49

AUTOMATIC RECORDER DATA BY MONTHS

Station A-52
Location Old Hardin Road between Peters & Piccolo - Billings

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars _____ % Pickups _____ % Commercial _____ %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2011	2678	2693	2659	2669	2616	2559	2539	2661	95.42	87.00
February	2190	2733	2660	2748	2717	2977	2718	2679	2765	96.89	91.80
March	2345	2935	3009	3016	3060	3221	3131	2966	3046	97.37	101.63
April	2482	2952	2997	3103	3084	3430	3502	3104	3128	99.23	106.36
May	2464	3121	3370	3325	3426	3621	3217	3198	3361	95.15	109.58
June	2352	3451	3406	3408	3495	3666	3173	3290	3482	94.49	112.74
July	2267	2990	3302	3329	3269	3598	3047	3101	3312	93.63	106.26
August	2460	3270	3198	3179	3241	3472	3119	3142	3264	96.26	107.66
September	2176	2877	3074	3109	3128	3418	2973	2986	3135	95.25	102.32
October	2210	2857	2902	2984	2936	3204	2965	2847	2971	95.83	97.56
November	2067	2655	2669	2869	2576	2847	2626	2626	2727	96.30	89.98
December	1943	2493	2625	2540	2642	2870	2565	2542	2645	96.11	87.11
Daily Average for Year	2247	2918	2992	3022	3020	3245	2966	2918	3041	95.96	

RLL:1:1rk:251:e50

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-52
Functional Class Major Collector

Route Old Hardin Road - Billings
Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	5945	645	10.8	621	10.4	612	10.3	603	10.1				
1982	6164	784	12.7	697	11.3	677	11.0	669	10.9				
1983	6374	768	12.1	723	11.3	709	11.1	690	10.8				
1984	6664	792	11.9	748	11.2	733	11.0	720	10.8				
1985	6754	824	12.2	782	11.6	756	11.2	748	11.1				
1986	6762	820	12.1	769	11.4	759	11.2	747	11.1				
1987	5046	823	16.3	776	15.4	749	14.8	737	14.6				
1988	2918	385	13.2	339	11.6	325	11.1	317	10.9				

RLL:1:jm:251a60

AUTOMATIC RECORDER DATA BY MONTHS

Station A-53 Year 1988

Location U.S. 12 - 4.0 miles E. of I-94, M.P. 12 (M.P. 36.6) New Sharp

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.0 % Pickups 31.6 % Commercial 15.0 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	274	392	394	385	381	425	362	371	397	93.45	75.88
February	371	436	374	412	414	475	445	419	423	99.05	85.70
March	397	419	477	445	447	459	463	445	450	98.89	91.02
April	464	514	487	475	472	578	459	494	509	97.05	101.04
May	532	599	651	605	627	735	586	617	642	96.11	126.20
June	551	653	660	630	660	717	624	642	662	96.98	131.31
July	512	601	631	602	605	704	556	601	632	95.09	122.92
August	577	628	607	612	601	677	542	607	624	97.28	124.15
September	501	526	558	548	567	656	569	564	575	98.09	115.36
October	364	380	393	392	386	444	437	399	398	100.25	81.61
November	334	356	381	387	379	400	398	377	381	98.95	77.11
December	233	315	336	307	350	435	317	331	353	93.77	67.70
Daily Average for Year	426	485	496	483	491	559	480	489	504	97.02	

* Relocated - October 1988 near Locate (Sharp Site) MP 36.6

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-53

Functional Class Principal Arterial

Route U.S. 12, East of Miles City

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	583	123	21.1	76	13.0	70	12.0	64	11.0				
1982	535	86	16.1	75	14.0	71	13.3	69	12.9				
1983	573	95	16.6	83	14.5	79	13.8	76	13.3				
1984	581	178	30.6	120	20.7	82	14.1	78	13.4				
1985	543	104	19.2	80	14.7	72	13.3	68	12.5				
1986	547	79	14.4	73	13.4	70	12.8	68	12.4				
1987	542	95	17.5	74	13.7	69	12.7	67	12.4				
1988	489	74	15.1	68	13.9	65	13.3	63	12.9				

R I:1:jm:251a51

AUTOMATIC RECORDER DATA BY MONTHS

Station A-54 Year 1988

Location 19th St. W. between Wyoming & Yellowstone - Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 73.8 % Pickups 23.7 % Commercial 1.8 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3448	5504	5550	5737	5746	5492	4882	5137	5600	91.73	88.52
February	3784	5583	5466	5603	5451	6230	5284	5351	5662	94.51	92.21
March	4310	6331	6310	6364	6429	6801	6210	6133	6437	95.28	105.68
April	4456	6387	6772	6800	6771	7406	6516	6478	6854	94.51	111.63
May	4419	6148	6840	6841	6965	7345	5984	6309	6797	92.82	108.71
June	4115	6397	6377	6490	6721	6990	5710	6147	6596	93.19	105.92
July	3953	5387	6250	6110	6270	6655	5221	5652	6159	91.77	97.39
August	4220	6066	6077	6088	6200	6512	5344	5815	6174	94.19	100.20
September	3752	5371	5943	6106	6197	6757	5475	5712	6111	93.47	98.43
October	3891	5899	5958	5935	6008	6572	5546	5631	6066	92.83	97.03
November	3741	5872	6182	6118	5264	6302	5318	5583	5966	93.58	96.21
December	3859	5704	5910	5799	6050	6562	5657	5691	6032	94.35	98.07
Daily Average for Year	3996	5887	6136	6166	6173	6635	5596	5803	6205	93.52	

RLL:1:1rk:251:e52

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-54
Functional Class Collector

Route 19th St. W. - Billings
Traffic Type ~~Urban~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1984	5450	875	16.1	664	12.2	651	11.9	637	11.7				
1985	5920	861	14.5	727	12.3	710	12.0	698	11.8				
1986	5846	789	13.5	718	12.3	690	11.8	674	11.5				
1987	5944	761	12.8	681	11.5	665	11.2	654	11.0				
1988	5803	710	12.2	667	11.5	653	11.3	643	11.1				

RLL:1:jm:251a62

AUTOMATIC RECORDER DATA BY MONTHS

Station A-56
Location U.S. 93 - 2.5 miles N. of Hamilton, M.P. 51

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 61.1 % Pickups 28.7 % Commercial 7.2 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	3363	5110	5363	5397	5338	5371	4923	4939	5318	92.87	77.53
February	4113	5437	5418	5605	5729	6335	5365	5429	5692	95.38	85.22
March	4359	5807	5888	5910	5947	6460	5941	5774	5991	96.38	90.64
April	4734	6355	6445	6371	6533	7095	6005	6242	6585	94.79	97.98
May	5551	6376	6869	6761	6919	7727	6451	6626	6903	95.99	104.01
June	5150	7214	7423	7369	7422	7859	6681	7042	7452	94.50	110.54
July	6029	7269	7656	7693	7810	8621	6837	7392	7848	94.19	116.04
August	5640	7829	7714	7949	7839	8242	6793	7468	7904	94.48	117.23
September	5236	6702	7135	7113	7500	8279	7085	7066	7395	95.55	110.92
October	4853	6719	6613	6880	6997	7628	6383	6524	6956	93.79	102.41
November	4700	6178	6323	6581	5964	6898	5545	6055	6394	94.70	95.05
December	4187	5776	6138	5965	6223	6861	5772	5888	6224	94.60	92.43
Daily Average for Year	4826	6398	6582	6633	6685	7281	6148	6370	6722	100.12	

RLL:1:1rk:251:e53

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-56

Functional Class Principal Arterial

Route U.S. 93, N. of Hamilton

Traffic Type ~~Primary - Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	5853	733	12.5	655	11.2	630	10.8	618	10.6				
1987	6044	734	12.1	663	11.0	652	10.8	642	10.6				
1988	6370	955	15.0	708	11.1	687	10.8	674	10.6				

RLL:1:jm:251a63

AUTOMATIC RECORDER DATA BY MONTHS

Station A-58
Location U.S. 212 - 1.8 miles N. of Red Lodge, M.P. 72

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.2 % Pickups 31.9 % Commercial 4.0 %

MONTH	Average Daily Number of Vehicles										
	Day of Week							Average Day	Average Weekday	Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1394	1257	1201	1309	1271	1566	1703	1402	1332	105.26	74.56
February	1826	1258	1191	1222	1248	1480	1878	1437	1279	112.35	76.43
March	2039	1451	1421	1393	1442	1513	2103	1603	1441	111.24	85.26
April	1626	1414	1454	1424	1515	1927	1926	1633	1565	104.35	86.85
May	2383	1814	1653	1592	1595	1871	1998	1854	1708	108.55	98.60
June	3348	2139	2165	2210	2224	2469	3001	2488	2239	111.12	132.32
July	3664	3314	2489	2434	2512	2949	3384	2999	2750	109.05	159.50
August	3430	2324	2280	2336	2380	2777	3173	2637	2406	109.60	140.25
September	2176	1897	1677	1698	1731	2003	2156	1903	1807	105.31	101.21
October	2079	1564	1536	1609	1535	1821	1933	1738	1611	107.88	92.44
November	1353	1315	1313	1409	1263	1433	1446	1361	1348	100.96	72.38
December	1324	1421	1471	1416	1536	1695	1614	1508	1517	99.41	80.20
Daily Average for Year	2220	1764	1654	1671	1688	1959	2193	1880	1750	107.43	

RLL:1:1rk:251:e54

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-58
Functional Class Minor Arterial

Route U.S. 212, N. of Red Lodge
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	1695	376	22.2	321	18.9	295	17.4	279	16.5				
1987	1838	675	36.7	370	20.1	336	18.3	321	17.5				
1988	1880	682	36.3	467	24.8	363	19.3	340	18.1				

RLL:1:jm:251a64

AUTOMATIC RECORDER DATA BY MONTHS

Station A-60
Location U.S. 2 - S. of Martin City, M.P. 139.6

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 60.5 % Pickups 25.6 % Commercial 6.5 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	2361	2500	2468	2584	2649	2804	2603	2569	2611	98.39	54.69
February	3107	2788	2661	2660	2803	3355	3107	2921	2850	102.49	62.19
March	3162	2991	2912	3004	3200	3560	3361	3157	3121	101.15	67.21
April	4131	3424	3394	3571	3592	4238	3950	3780	3672	102.94	80.48
May	5177	4562	4177	4229	4547	5019	5092	4682	4494	104.18	99.68
June	6923	6194	5970	5751	6317	6665	6613	6327	6166	102.61	134.70
July	9609	8770	8387	8382	8483	9357	9649	9005	8708	103.41	191.71
August	8356	7763	7569	7702	8098	8648	8327	8029	7920	101.38	170.94
September	5487	5586	5020	5012	5436	6034	5882	5510	5446	101.18	117.31
October	4457	4200	4117	4098	4218	4830	4718	4385	4288	102.26	93.36
November	2900	3160	3224	3333	3157	3566	3128	3214	3287	97.78	68.42
December	2386	2783	2780	2796	2794	3188	2694	2786	2879	96.77	59.31
Daily Average for Year	4838	4560	4390	4427	4608	5105	4927	4697	4620	101.67	

RLL:1:1rk:251:e55

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-60
Functional Class Principal Arterial

Route U.S. 2, Martin City
Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1982	3549	737	20.8	660	18.6	643	18.1	628	17.7				
1983	3922	765	19.5	723	18.4	693	17.7	673	17.2				
1984	3967	769	19.4	682	17.2	663	16.7	647	16.3				
1985	3969	738	18.6	689	17.4	658	16.6	644	16.2				
1986	4270	792	18.6	743	17.4	729	17.1	710	16.6				
1987	4522	826	18.3	768	17.0	741	16.4	726	16.1				
1988	4697	887	18.9	806	17.2	785	16.7	769	16.4				

RLL:1:jm:251a65

AUTOMATIC RECORDER DATA BY MONTHS

Station A-62
Location U. S. 93 - 0.8 miles N. of Elmo, M.P. 78

Year 1988

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.7 % Pickups 23.9 % Commercial 17.3 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	1425	1314	1329	1361	1411	1612	1544	1438	1415	101.63	63.20
February	1795	1555	1435	1459	1625	2039	1973	1692	1619	104.51	74.36
March	1930	1710	1744	1797	1889	2229	2181	1915	1866	102.63	84.16
April	1965	1879	1739	1841	2070	2272	2179	2007	1975	101.62	88.21
May	2524	2147	1954	1942	2077	2771	2672	2290	2167	105.68	100.65
June	3309	2684	2660	2658	2785	3117	3046	2882	2775	103.86	126.66
July	3910	3531	3312	3377	3714	4179	4269	3791	3649	103.89	166.61
August	4012	3241	3116	3164	3342	3908	3934	3496	3330	104.98	153.65
September	2736	2529	2236	2262	2409	2849	2902	2565	2472	103.76	112.73
October	2047	1778	1801	1855	1937	2312	2123	1979	1929	102.59	86.98
November	1829	1418	1551	1770	1699	1929	1808	1711	1672	102.33	75.20
December	1312	1549	1465	1498	1557	1776	1542	1538	1578	97.47	67.59
Daily Average for Year	2400	2111	2029	2082	2210	2583	2514	2275	2204	103.22	

RLL:1:lrk:251:e56

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-62
Functional Class Principal Arterial

Route U.S. 93, N. of Elmo
Traffic Type ~~Primary - Rural~~

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	A.D.T.	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	1911	339	17.7	320	16.8	309	16.2	299	15.7				
1987	2062	381	18.5	332	16.1	322	15.6	312	15.1				
1988	2275	412	18.1	366	16.1	353	15.5	346	15.2				

R.L.:1:jm:251a56